

# Digital Video Disc Player & Video Cassette Recorder Owner's Manual

DV910VHS



**Important!**  
Return your  
Warranty  
Registration Card  
within 10 days.  
See why inside.



## **Read this manual first!**

Congratulations on purchasing this Philips product.  
We've included everything you need to get started.  
If you have any problems, Philips Representatives can  
help you get the most from your new product by explaining:

- Hookups,
- First Time Setup, and
- Feature Operation.

*Do not attempt to return this product to the store.*

**For fast help, call us first!**  
**1-800-531-0039**

*Thank you for making Philips a part of your home!*

*Let's make things better.*



**PHILIPS**

# Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

## Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

## Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

## Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

# PHILIPS

*Congratulations on your purchase, and welcome to the "family!"*

### Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome-and thanks for investing in a PHILIPS product.

Sincerely,




Lawrence J. Blanford  
President and Chief Executive Officer


**P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!**



Know these **safety** symbols



 This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

 The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**ATTENTION:** Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

### For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. \_\_\_\_\_  
Serial No. \_\_\_\_\_



# PHILIPS

Visit our World Wide Web Site at <http://www.philips.com>

## Safety and General Information 3

### Safety Precautions

**Warning:** To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

**Federal Communications Commission (FCC) Warning:** Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

**Department of Health and Human Services (DHHS) Certification:** Complies with 21 Center for Radiation (CFR) chapter 1 subchapter J applicable at time of manufacture.

### Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM. THE BEAM IS LOCATED INSIDE, NEAR THE DECK MECHANISM.

### Special Information for Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### Radio/TV Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and the receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

### Copyright Protection

Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.

Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

**Note to the Cable TV System Installer:** This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding – in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

### High Quality

This DVD/VCR has a High Quality (HQ) system and is compatible with Video Home System (VHS) equipment.

### Declaration of Conformity

Model Number: DV910VHS  
Trade Name: Philips  
Responsible Party: Philips Consumer Electronics  
P.O. Box 14810  
Knoxville, TN 37914-1810  
(865) 521-4316

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# Introduction 5

## Welcome!

This DVD/VCR combines a Digital Video Disc (DVD) Player and a Hi-Fi Video Cassette Recorder (VCR) into one unit, letting you play DVDs, Audio Compact Discs (Audio CDs), and video cassette tapes on one piece of equipment. The DVD Player provides better picture quality, clearer sound, and endless playback features available on DVDs. Watch a director's cut of a movie, listen to the producer's comments, or play your favorite scene over and over again. The possibilities are limited only by your choices and the materials on the DVD.

When playing Audio CDs, determine the order in which you want to hear the songs, or play the Disc repeatedly - all while seeing the status of the CD on your television.

We hope you enjoy this DVD/VCR and learn to use all of its features. To get the most out of the DVD/VCR, read this owner's manual carefully. It will describe how you can access all the features listed below.

## Features

### VCR

- Automatic Channel Setup
- Automatic Head Cleaner
- Automatic Tracking Adjustment
- Blue Background
- Daylight-Savings Time
- Hi-Fi Stereo Sound System
- High Quality (HQ) System
- MTS (Multi-Channel Television Sound) System
- 19 micron head
- On-Screen Displays in English or Spanish
- One-Touch Recording
- Real-Time Counter
- Repeat Play
- S-VHS Quasi Play Back (SQPB)
- Special Effects Playback: Forward and Reverse Searching; Still; Slow Motion
- Time Search
- Timer Recording

### DVD

- A-B Repeat
- Audio Language choices\*
- Automatic Detection of Disc type (Audio CD or DVD)
- Bit Rate display
- Camera Angle \*
- Display Panel with Dimmer
- Dolby Digital Sound
- DTS (Digital Theater System)
- Dynamic Range Control
- Markers
- Parental Lock\*
- Paused/Fast/Slow/Step-by-Step Playback
- Program Playback (Audio CD)
- Random Playback (Audio CD)
- Repeat (Chapter, Title, Track, Disc)
- Screen Saver
- SRS TruSurround
- Subtitles\*
- Time Search
- Title/Chapter Search
- Track Search
- Zoom Playback

*\* If available on the Disc*

## When referring to this manual, remember...

**VCR** Indicates the feature is available on video cassette tapes when the DVD/VCR is in VCR mode.

**DVD** Indicates the feature is available on some Digital Video Discs when the DVD/VCR is in DVD mode.

**AUDIO CD** Indicates the feature is available on some Audio CDs when the DVD/VCR is in DVD mode.

## Disc Menus...

Some explanations in this manual describe the Disc menus. These menus are set by the movie producers or the music industry; the menus will vary among Discs. All Discs do not have menus. However, if the Disc has a menu, access the Disc menu by pressing the DVD button, then pressing the MENU button on the remote control.

*Details are on page 51.*

## DVD Player Setup Menu...

Some instructions explain how to use the DVD Player's Setup menu to set up features of the DVD player or the Disc. Access the DVD Player menu by pressing the SETUP button on the remote control when playback is stopped. Even if a feature is set up in the DVD Player's menu, it may not be available if the current Disc does not include that feature.





## Available Disc Features...

All features described in this manual are not available on every DVD or Audio CD. If the feature is not available on the Disc, you cannot use the DVD/VCR to make it available. The "No feature" symbol ("X") will appear in the top right corner of the TV screen if you try to access a feature that is not currently available.

## 6 Playable Discs

This DVD/VCR will play Digital Video Discs (DVDs) and Audio CDs. In order to play a DVD or Audio CD on this DVD/VCR, make sure the Disc meets the requirements for Region Codes and Color Systems as described on this page. Also, the Discs should have the following logos and should meet these standards.

Disc Type	Logo	Contents	Disc Size	Maximum Playback Time	Disc Segments
Digital Video Disc		Sound and Pictures	12 cm	Approx. 4 hours (single-sided) Approx. 8 hours (double-sided)	DVDs are divided into Titles, which are divided into Chapters. Titles and Chapters are numbered.
			8 cm	Approx. 80 minutes (single-sided) Approx. 160 minutes (double-sided)	
Audio CD		Sound	12 cm	74 minutes	Audio CDs are divided into numbered Tracks, i.e., a track may be one song.
			8 cm (singles)	20 minutes	

### Region Codes

DVDs also must be labelled for ALL regions or for Region 1 in order to play on this DVD/VCR. You can not play Discs that are labelled for other regions.

Look for the symbols below on your DVDs. If these region symbols do not appear on your DVD, you cannot play the DVD in this DVD/VCR.



The number inside the globe refers to a region of the world. Region 1 represents the United States, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

A Disc encoded in a specific region format can play only on DVD players with the same region code. For example, if a Disc is labelled for Region 2, you can not play the DVD on this DVD/VCR.

### Color Systems

Different color systems are available throughout the world. The most common color systems are NTSC, which is used primarily in the United States and North America, PAL, and SECAM.

This DVD/VCR uses the NTSC color system. Therefore, the Discs that you play must be recorded in the NTSC system. You cannot play Discs recorded in other formats. The color system of the DVD may be listed on the DVD or on the Disc jacket or case.

### Unacceptable Discs

The following Discs can not play on this DVD/VCR.

- CD-ROM
- Compact Disc-Interactive (CD-I)
- Compact Disc-Recordable (CD-R)
- Digital Video Disc-Video Recordable (DVD-VR)
- DVD-RAM
- DVD-ROM
- Photo CD
- Video CD
- Video Single Disc (VSD)

The following discs may play, but only the audio will be available. There will be no picture.

- Compact Disc-Graphic (CD-G)
- Compact Disc-Video (CD-V)

## Playable Video Cassette Tapes 7

### Playable Video Cassette Tapes

This DVD/VCR has a High Quality (HQ) system and is compatible with existing Video Home System (VHS) equipment. Philips Consumer Electronics recommends that you use only video cassette tapes that have the **VHS** mark. The use of other tapes may result in poor picture quality and excessive deposits on the video heads, which may not be covered by the warranty if damage occurs. The DVD/VCR also has a 19 micron head, which provides a better picture when you view tapes recorded in slow speed (SLP).

### Recording Prevention

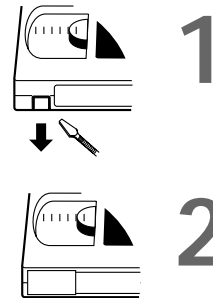
Video cassette tapes have record tabs to ensure that recordings are not accidentally erased.

1

To prevent recording, break off the tab with a screwdriver.

2

To allow recording, cover the hole with cellophane tape.



### DVD/VCR maintenance

- Use only tapes with the **VHS** mark.
- Remove any light adhesive stick-on notes from the video cassette tape before putting the tape in the DVD/VCR. Removable labels can jam the DVD/VCR.
- Periodic maintenance is required to maintain your DVD/VCR's excellent performance. This DVD/VCR has an Automatic Head Cleaner. However, the video heads will require replacement eventually. Only an authorized service center should perform this service.



## 8 Hookups

### Determining the best possible connection...

Your hookup will be determined primarily by feature availability of your existing equipment. However, the following guidelines describe which options have the best picture (video) and sound (audio) quality.

- ★★★★ Use Component Video jacks for the best picture quality. This connection is for DVD features only.
- ★★★★ Use the S-Video jack for excellent picture quality. This connection is for DVD features only.
- ★★ Use the yellow Video jack for good picture quality. This connection is for DVD and VCR features.
- ★★ If your TV only has an RF-style jack, usually labelled Antenna In or 75 ohm, use the ANT-OUT jack of the DVD/VCR to connect to the TV. Set your TV to channel 3 or 4 - the same channel to which the CH3/CH4 switch of the DVD/VCR is set. This connection is for DVD and VCR features.
- ★★★★ Digital audio connections provide the clearest sound. Connect one of the DVD/VCR's DIGITAL AUDIO OUT jacks (COAXIAL or OPTICAL) to your Stereo for the best sound quality. This connection is for DVD features only.
- ★★ If digital connections are not possible, connect the DVD/VCR's red and white AUDIO OUT jacks to the Audio In jacks of your Stereo or TV. This connection is for DVD and VCR features.

### Before you begin...

- Refer to the manuals of your TV, VCR, Stereo System or other devices as necessary. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels on your other equipment so you can see and hear the DVD/VCR on the TV, Stereo, etc.
- Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have finished hooking up everything. Never make or change connections with equipment connected to the power outlet.

### Remember...

- Set the TV to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are located near channel 00. See your TV owner's manual for details.
- Set the Stereo Receiver to the correct channel or "source" mode.
- Depending on your connection, you may need to purchase additional cables.
- To use the VCR features, you must include a connection with the supplied yellow video cable or with the supplied RF coaxial cable.

Once you determine the best option, find your choice on pages 8-14. Follow the specific steps for the hookup you choose. After hooking up the DVD/VCR, go to page 16 before turning on the DVD/VCR. You must complete the VCR setup before you can access the DVD Player, so it is important to complete the process on page 16.

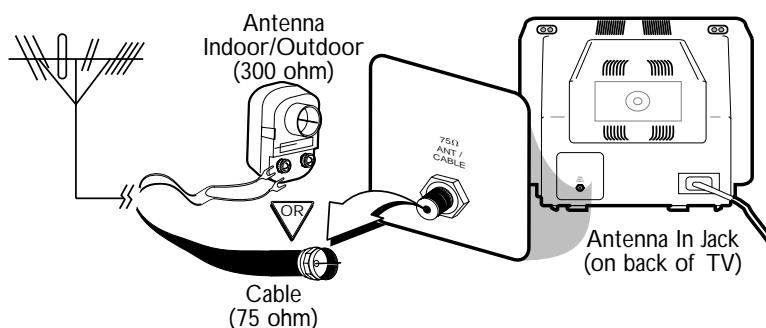
### DVD/VCR to TV only

Simplest connection using only supplied black RF coaxial cable

This connection will let you use the features of both the VCR and the DVD Player.

# 1

Disconnect the antenna or cable from your TV.

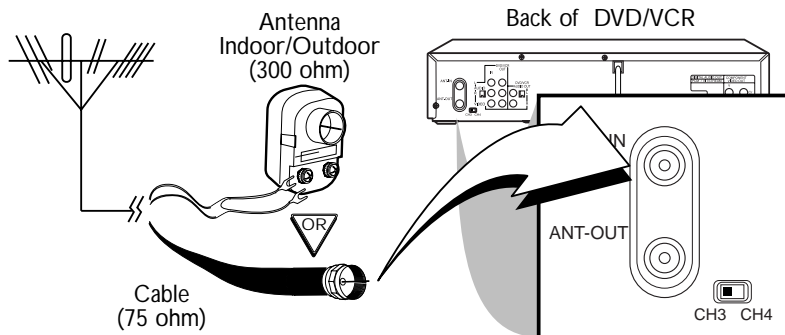




## Hookups (cont'd) 9

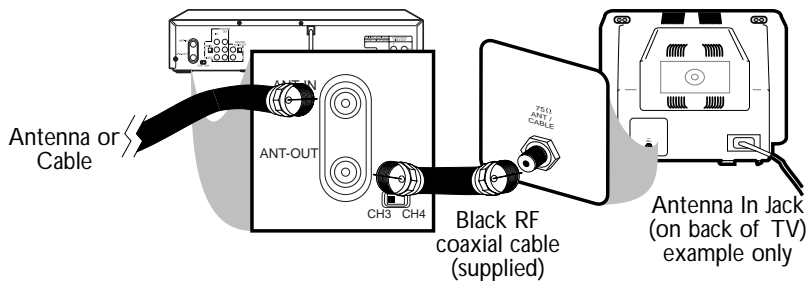
# 2

Connect the antenna or cable to the **ANT-IN (Antenna In) Jack** of your DVD/VCR.



# 3

Connect the supplied black RF coaxial cable to the **ANT-OUT (Antenna Out) Jack** on the back of the DVD/VCR and to the **ANTENNA IN Jack** on the TV.

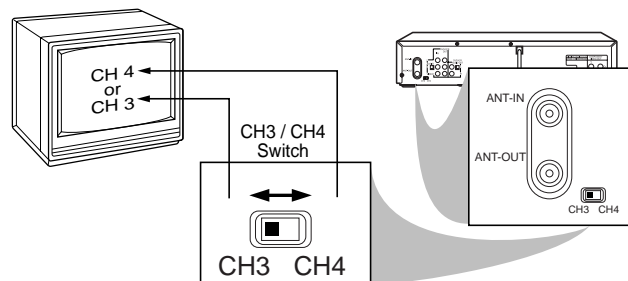


# 4

Plug in the power cords of the TV and the DVD/VCR.

# 5

Set the **CH3/CH4 switch** on the back of the DVD/VCR to **CH3** or **CH4**, whichever TV channel is not used or least used in your area. **Set the TV to the same channel.** For example, when playing a tape, if the CH3/CH4 switch is set to CH3, the TV should be on channel 03.



# 6

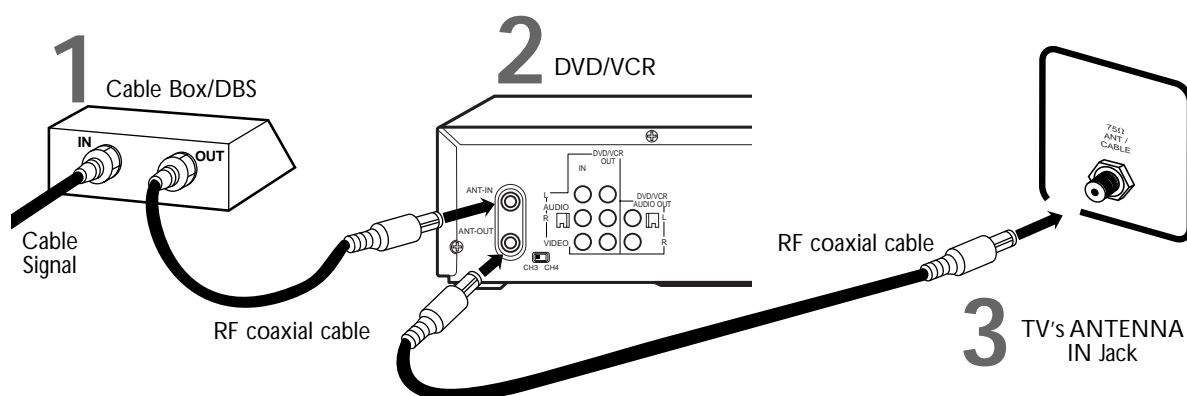
You are ready to turn on the DVD/VCR. Please go to page 16 before turning on the DVD/VCR. You must complete the VCR setup before you can access the DVD Player, so it is important to complete the steps on page 16.

## 10 Hookups (cont'd)

### DVD/VCR to Cable Box/DBS and TV

Using only basic RF coaxial cables

This connection will let you use the features of both the VCR and the DVD Player.



### Connections

# 1

Connect a Cable signal to the IN Jack on the Cable Box/DBS.

# 2

Use an RF coaxial cable (supplied) to connect the OUT Jack on the Cable Box/DBS to the ANT-IN (Antenna In) Jack on the DVD/VCR.

# 3

Use a second RF coaxial cable to connect the ANT-OUT (Antenna Out) Jack on the DVD/VCR to the TV's Antenna In jack.

### Remember...

There are two ways to connect your Cable Box/DBS to the DVD/VCR. With the connection on this page:

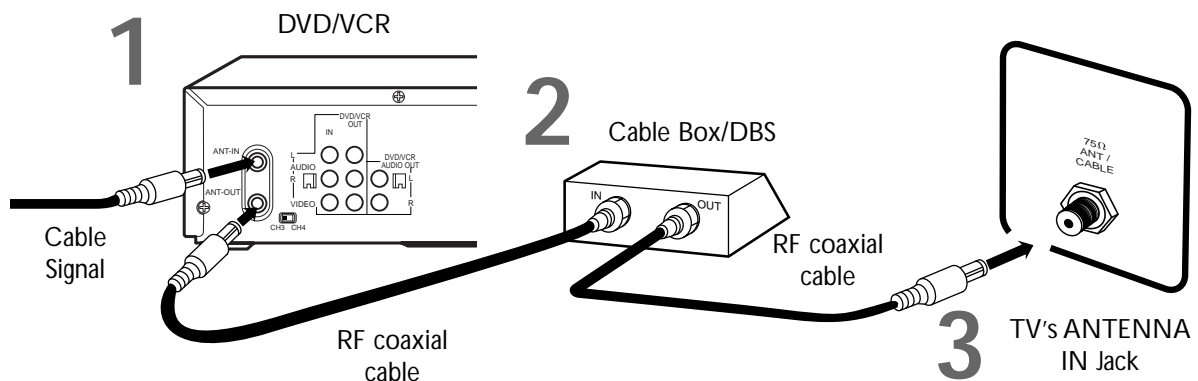
- You may view any channel. Select channels at the Cable Box/DBS, not the DVD/VCR. To record or view any TV channel, follow these steps. 1) Press the OUTPUT SELECT button to put the DVD/VCR in VCR mode. 2) Press the VCR/TV button to choose VCR position. 3) Press the CHANNEL ▲/▼ buttons to set the DVD/VCR to the Cable Box/DBS output channel (03 or 04). Set the DVD/VCR's CH3/CH4 switch to the same channel. 4) Set the TV to the same channel to which you set the DVD/VCR. 5) Select the channel you want to view/record at the Cable Box/DBS.
- You may not view a channel other than the one you are recording.
- You can only program a timer recording for one channel at a time. Set the TV and the DVD/VCR to the Cable Box/DBS output channel (channel 03 or 04); set the DVD/VCR's CH3/CH4 switch to the same channel. Set your Cable Box/DBS to the channel you want to record. When you enter the channel you want to record in a timer recording, select channel 03 or 04 (the Cable Box/DBS output channel). (This is step 5 on page 37.) Leave the Cable Box/DBS on for a timer recording.

## Hookups (cont'd) 11

### DVD/VCR to Cable Box/DBS and TV

Using only basic RF coaxial cables

This connection will let you use the features of both the VCR and the DVD Player.



### Connections

# 1

Connect a Cable signal to the DVD/VCR's ANT-IN (Antenna In) Jack.

# 2

Use an RF coaxial cable (supplied) to connect the ANT-OUT (Antenna Out) Jack on the DVD/VCR to the IN Jack on the Cable Box/DBS.

# 3

Use a second RF coaxial cable to connect the OUT Jack on the Cable Box/DBS to the ANTENNA IN Jack on the TV.

### Remember...

There are two ways to connect your Cable Box/DBS to the DVD/VCR. With the connection on this page:

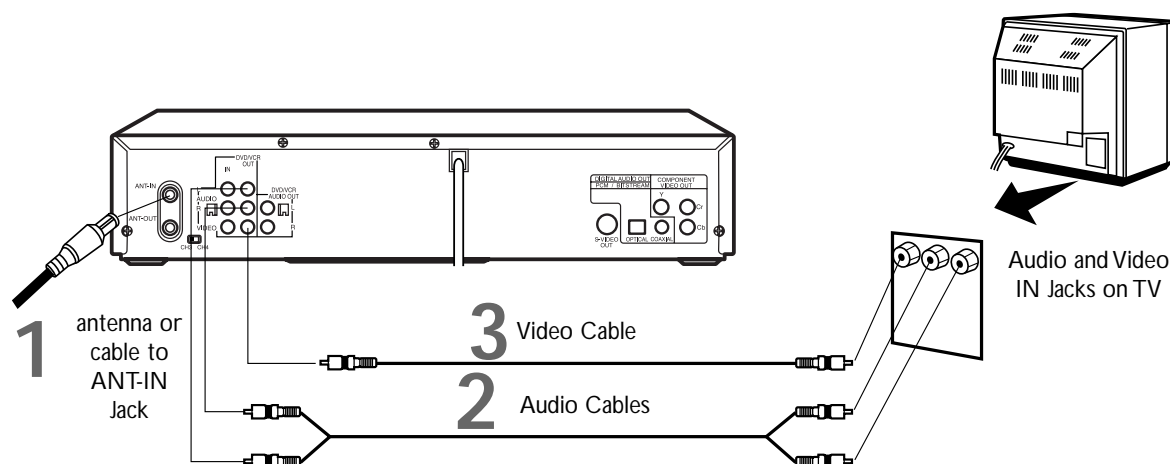
- You may watch one channel while recording another. Follow these steps: 1) Put the Cable Box/DBS on the same channel as the DVD/VCR's CH3/CH4 switch. Set the TV to the Cable Box/DBS output channel (03 or 04). 2) Press the OUTPUT SELECT button to put the DVD/VCR in VCR mode. Then, press the VCR/TV button to choose VCR position. 3) Press the CHANNEL ▲/▼ buttons to select the channel you want to record at the DVD/VCR. Start the recording. 4) Press the VCR/TV button once to put the DVD/VCR in TV position. 5) Select the channel you want to watch at the Cable Box/DBS.
- When you play a tape, make sure the Cable Box/DBS is set to the same channel as the CH3/CH4 switch on the DVD/VCR. Set the TV to the Cable Box/DBS output channel (03 or 04).

## 12 Hookups (cont'd)

### DVD/VCR to a TV that has Audio and Video In jacks

Using the supplied red, white, and yellow cables

This connection will let you use the features of both the VCR and the DVD Player.



# 1

Connect the antenna or cable to the ANT-IN (Antenna In) jack of your DVD/VCR.

# 2

Connect the red and white audio cables (supplied) to the red and white DVD/VCR AUDIO OUT jacks on the DVD/VCR and to the red and white AUDIO IN jacks on the TV, matching the cable colors to the jack colors. If the TV has a single AUDIO IN jack, use the white audio cable to connect the DVD/VCR's white DVD/VCR AUDIO OUT jack to the TV's AUDIO IN jack. You will not use the red cable.

# 3

Connect the yellow video cable (supplied) to the DVD/VCR VIDEO OUT jack on the DVD/VCR and to the VIDEO IN jack on the TV.

Or, for better picture quality, connect an S-Video cable (not supplied) to the S-VIDEO OUT jack on the DVD/VCR and to the S-VIDEO IN jack on the TV instead. However, the S-Video connection only supplies video (picture) for the DVD Player of the DVD/VCR. Therefore, in order to use the VCR features or view TV channels at the DVD/VCR, you still need to either connect the RF coaxial cable between the ANT-OUT jack of the DVD/VCR and the TV's Antenna In jack, or connect the yellow video cable as described earlier. To connect the supplied RF coaxial cable, see step 3 on page nine.

# 4

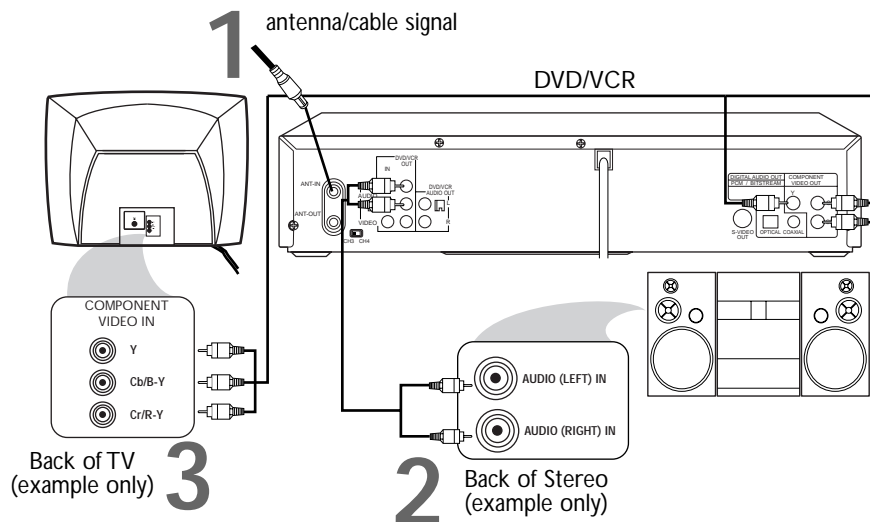
Connect the power cords of the TV and the DVD/VCR to a power outlet. Turn on the TV and set it to the correct Audio/Video In channel. If you are using the RF coaxial cable for VCR or DVD playback, choose channel 3 or 4 at the TV. If you are using the red/white/yellow audio/video cables for VCR or DVD playback, choose the Audio/Video In channel at your TV. If you are using the S-Video cable for DVD playback, choose the S-Video In channel at your TV. See your TV owner's manual for more details. Or, simply continue changing channels at the TV until you see VCR or DVD playback on the TV screen.

# 5

You are ready to turn on the DVD/VCR. Go to page 16 before turning on the DVD/VCR. You must complete the VCR setup before you can access the DVD Player, so it is important to complete the steps on page 16.

## Hookups (cont'd) 13

### DVD/VCR to a Stereo and to a TV that has Component Video In jacks



# 1

Connect the antenna or cable to the ANT-IN (Antenna In) jack of your DVD/VCR.

# 2

Connect the red and white audio cables to the red and white DVD/VCR AUDIO OUT Jacks on the DVD/VCR and to the red and white AUDIO IN jacks on the Stereo, matching the cable colors to the jack colors.

# 3

Connect an optional component video cable to the COMPONENT VIDEO OUT jacks on the DVD/VCR and to the COMPONENT VIDEO IN jacks on the TV. The Component Video connection only supplies video (picture) for the DVD Player of the DVD/VCR. Therefore, in order to use the VCR features or view TV channels at the DVD/VCR, you still need to either connect the RF coaxial cable between the ANT-OUT jack of the DVD/VCR and the TV's Antenna In jack, or connect the yellow video cable. To connect the supplied RF coaxial cable, see step 3 on page nine. To connect the supplied yellow video cable, see step 3 on page 12.

# 4

Connect the power cords of all the equipment to a power outlet. Turn on the Stereo and select the Stereo's Auxiliary IN station. Turn on the TV and set it to the Component Video In channel. If you are using the RF coaxial cable for VCR playback, choose channel 3 or 4 at the TV. If you are using the red/white/yellow audio/video cables for VCR playback, choose the Audio/Video In channel at your TV. Or, simply continue changing channels at the TV until you see VCR or DVD playback on the TV screen.

# 5

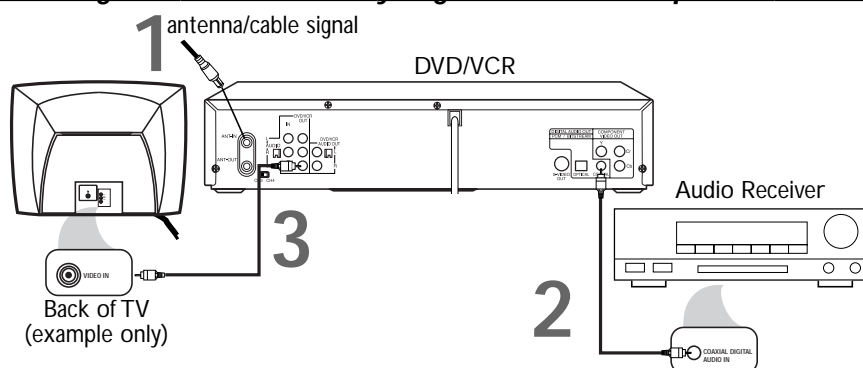
You are ready to turn on the DVD/VCR. Go to page 16 before turning on the DVD/VCR. You must complete the VCR setup before you can access the DVD Player, so it is important to complete the steps on page 16.

# 6

After you complete the VCR setup as described on page 16, set Dolby Digital and DTS to Off on the DVD/VCR. Details are on pages 72-73. If you play a DVD when the settings are wrong, the sound will be distorted or you may damage the speakers.

## 14 Hookups (cont'd)

### Connecting to a TV and a Dolby Digital or DTS Compatible Audio Receiver



# 1

Connect the antenna or cable to the **ANT-IN (Antenna In)** jack of your DVD/VCR.

# 2

Connect a coaxial digital audio cable (not supplied) to the **COAXIAL** jack on the DVD/VCR and to the **COAXIAL DIGITAL AUDIO IN** jack on the Receiver. Or, connect an audio optical cable (not supplied) to the **OPTICAL** jack on the DVD/VCR and to the **OPTICAL DIGITAL AUDIO IN** jack on the Receiver. Remove the protective cap from the **OPTICAL** jack first. These digital audio connections only provide sound for the DVD Player of the DVD/VCR. So, in order to use the VCR features or view TV channels at the DVD/VCR, you still need to either connect the RF coaxial cable between the **ANT-OUT** jack of the DVD/VCR and the TV's Antenna In jack, or connect the supplied red/white audio cables. To connect the supplied RF coaxial cable, see step 3 on page nine. To connect the red/white audio cables, see step 2 on page 12.

# 3

Connect the supplied yellow video cable to the yellow **DVD/VCR VIDEO OUT** jack on the DVD/VCR and to the **VIDEO IN** jack on the TV. To use component video cable or S-Video cable instead for the DVD Player, see pages 12-13. You will still need the yellow video cable or RF coaxial cable for VCR features.

# 4

Plug in the power cords of the audio receiver, TV, and DVD/VCR. Turn on the audio receiver and select its **Auxiliary IN** channel. Turn on the TV and set it to the correct **Video In** channel.

# 5

You are ready to turn on the DVD/VCR. Go to page 16 before turning on the DVD/VCR. You must complete the VCR setup before you can access the DVD Player, so it is important to complete the steps on page 16.

#### Remember...

Some Discs are recorded in 5.1 channel Dolby Digital Surround or Digital Theater System (DTS) Surround format. Select 5.1 channel Dolby Digital Surround Sound in the Disc menu.

If you connect the DVD/VCR to a Dolby Digital audio receiver, set Dolby Digital to On. If you connect the DVD/VCR to a DTS audio receiver, set DTS to On. Details are on pages 72-73. If the DVD/VCR is not connected to a Dolby Digital or DTS receiver, set Dolby Digital and DTS to Off. Incorrect settings may cause noise distortion and damage the speakers.

#### Helpful Hints

- Optical cable may be damaged when bent at acute angles. Coil cables in loops with a diameter of 6 inches or more when storing them.
- Use a cable that is 9.8 feet or less.
- Insert cable plugs firmly into the jacks when making connections.
- If a plug has minor scratches or is dirty, clean it with a soft cloth before inserting it into a jack.
- Replace the protective cap on the **OPTICAL** jack when it is not in use.



## Remote Control Setup 15

### Putting Batteries in the Remote Control

# 1

Remove the battery compartment lid on the bottom of the remote control by pressing the tab, then lifting the lid.

# 2

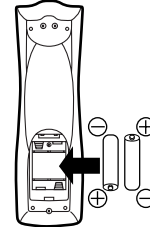
Place two AA batteries inside the battery compartment with their + and – ends aligned as indicated.

# 3

Replace the battery compartment lid.



# 1



# 2



# 3

### Using the Remote Control

- Point the remote control at the DVD/VCR's remote sensor (see page 26) when using the remote control to operate the DVD/VCR.
- Do not put objects between the remote control and the DVD/VCR.

### Recycling Guidelines/Battery Safety

- Your new product and its packaging contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount that needs to be properly disposed. Your product uses batteries that should not be thrown away when depleted but should be disposed of as small chemical waste. Please find out about the local regulations on disposal of your old product, batteries, and packaging whenever you replace existing equipment.
- Battery Usage CAUTION - To prevent battery leakage that may result in bodily injury or damage to the unit:  
Install ALL batteries correctly, with the + and - markings on the battery aligned as indicated on the unit;  
Do not mix batteries, for example, old with new or carbon with alkaline; and  
Remove batteries when the unit will not be used for a long time.



## 16 Turning on Your DVD/VCR

Before turning on your DVD/VCR, make sure batteries are in the remote control and the DVD/VCR and TV are connected correctly.

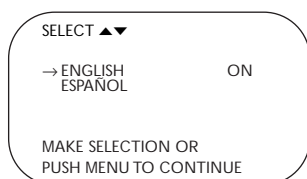
- You can not program channels if you are using a Cable Box or a Direct Broadcast System.

# 1

Press the **VCR** button, then press the **POWER** button. "P-ON" will appear briefly on the front of the DVD/VCR. The green VCR OUTPUT light, the VCR/TV light, and the POWER light will appear on the front of the DVD/VCR.

# 2

Turn on the TV. Set it to the same channel as the **CH3/CH4** switch on the back of the DVD/VCR. The display shown below will appear. (If the display does not appear, check your hookups, then follow the steps on page 17 to set up channels and page 22 to select a language.)

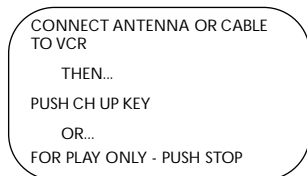


# 3

Within 60 seconds, press the Play ► button or the Stop ■ button to select English or Spanish on-screen displays and menus.

# 4

Press the **MENU** button.

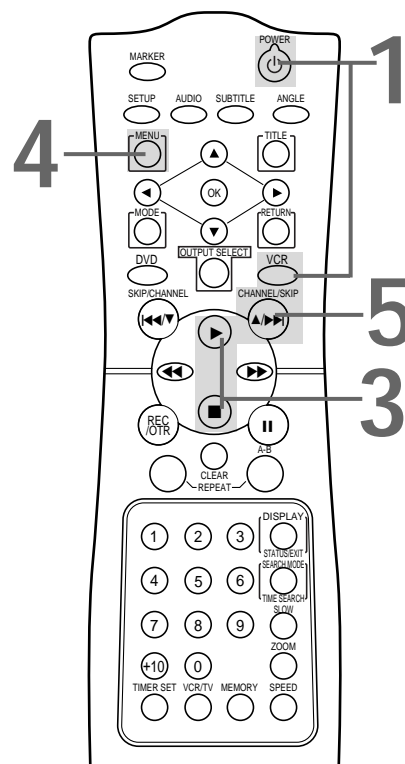


# 5

Within 60 seconds, press the **CHANNEL ▲** button to begin automatic channel programming. AUTO CH PROGRAMMING IN PROCESS PLEASE WAIT will appear on the TV screen. The DVD/VCR will memorize all available channels. When all channels are memorized, CHANNELS ARE SET will appear on the screen briefly, then TV programming will appear.

These channels will be available when you want to watch TV while in VCR mode. To put the DVD/VCR in VCR mode, press the **OUTPUT SELECT** button so that the green VCR OUTPUT light appears. Then press the **VCR/TV** button so that the VCR/TV light appears. Press the **VCR** button, then use the **CHANNEL** and **Number** buttons to select a TV channel for viewing.

# 2

 Turn on the TV.


### Helpful Hints

- To skip this feature and play a tape immediately, insert a tape with its record tab removed. Or, to skip step 3, press the **MENU** button. All on-screen displays will be in English. To skip step 5, press the **Stop ■** button. Channels will not be programmed, and **CHANNELS NOT SET** will appear on the screen.
- If you try to program channels when there is no antenna or cable connected to the DVD/VCR, programming will appear to take place, but eventually a **NO TV SIGNALS** message will appear. Connect an antenna or cable to the DVD/VCR's **ANT-IN** (Antenna In) jack and press the **CHANNEL ▲** button again. If channel programming does not resume, follow the steps on page 17.
- You may need to repeat the steps on this page if the power fails.

## Automatic Channel Setup 17

Although your DVD/VCR may automatically memorize the channels you receive when you turn it on for the first time, you can set up the channels again.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select TUNER SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ AUTO PROGRAMMING  
ADD/DELETE CH  
CH MEMORY REVIEW TV STEREO  
2ND AUDIO ON

TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select AUTO PROGRAMMING, then press the Fast Forward ►► button. The DVD/VCR will memorize all the channels you receive.

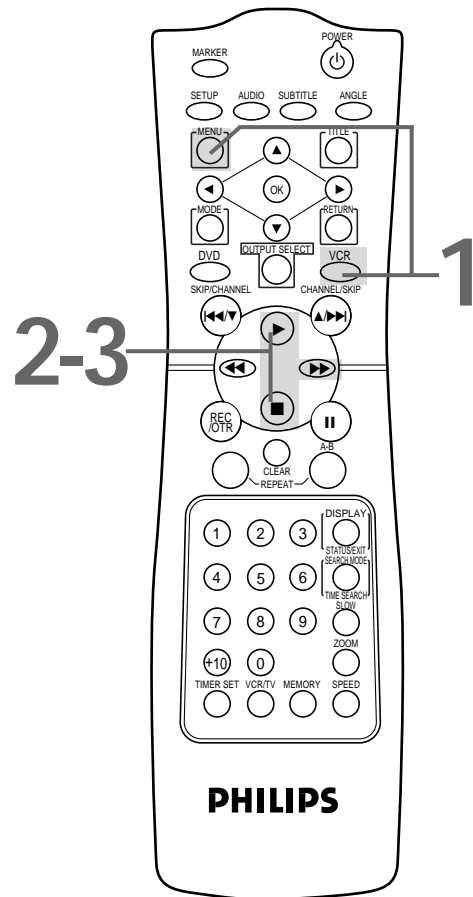
AUTO CH PROGRAMMING  
IN PROCESS  
PLEASE WAIT

START FINISH



# 4

**Wait for a few minutes while the DVD/VCR sets up the channels.** When this is complete, CHANNELS ARE SET will appear on the screen. Then the programming of the lowest channel number placed in the DVD/VCR's memory will appear on the screen. Now when you press the CHANNEL ▲/▼ buttons, you will scan only through channels you receive. You still can select any channel number using the Number buttons.



### Helpful Hints

- You can not enter the TUNER SET UP menu when you are in Line Input mode (channel 001 or 002). When you select channel 001 or 002, AV REAR or AV FRONT will appear on the screen briefly.
- You can not program channels if you are using a Cable Box or DBS.
- If you have an antenna, channels 2-69 will be available. If you have a cable connection, channels 1-125 will be available.

## 18 Automatic Channel Setup (cont'd)

### Adding/Deleting Channels

You may want to add or delete channels if your channel lineup changes or if you no longer watch some channels.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select TUNER SET UP, then press the Fast Forward ►► button.

# 3

Press the Play ► button or the Stop ■ button to select ADD/DELETE CH, then press the Fast Forward ►► button. If you have an antenna, channel numbers 2-69 will appear on the ADD/DELETE CH menu. If you have a cable connection, channels 1-125 will be available.

SELECT ▲▼ ADD/DELETE ►

124		DELETED
125		DELETED
1	→	DELETED
2		ADDED
3		ADDED

TO END PUSH EXIT

# 4

Press the Play ► button or the Stop ■ button until the channel number you want to add or delete appears beside the arrow.

SELECT ▲▼ ADD/DELETE ►

16		DELETED
17		ADDED
18	→	ADDED
19		ADDED
20		ADDED

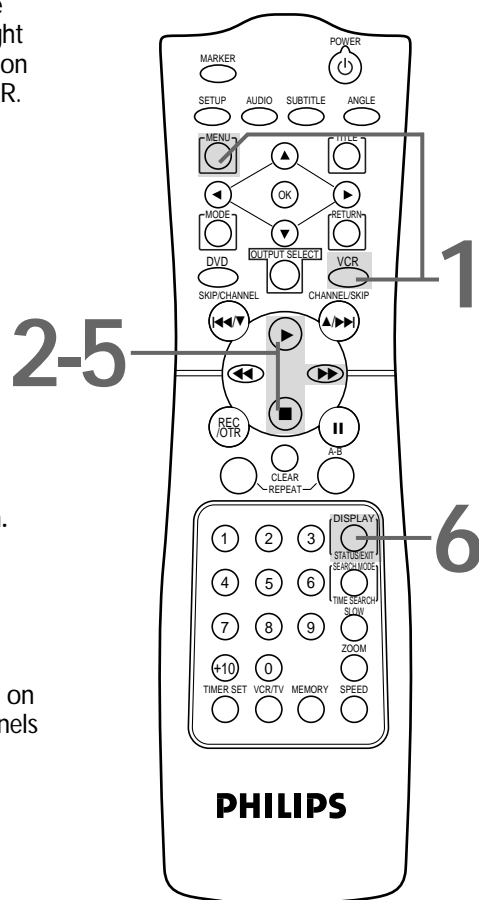
TO END PUSH EXIT

# 5

Press the Fast Forward ►► button to select ADDED or DELETED. Repeat steps 4 and 5 until you have added or deleted all the channels you wanted to add or delete.

# 6

Press the DISPLAY/STATUS/EXIT button.



## Automatic Channel Setup (cont'd) 19

### Reviewing Memorized Channels

To see which TV channels the DVD/VCR has memorized, follow the steps below.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select TUNER SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ AUTO PROGRAMMING  
ADD/DELETE CH  
CH MEMORY REVIEW  
TV STEREO ON  
2ND AUDIO

TO END PUSH EXIT

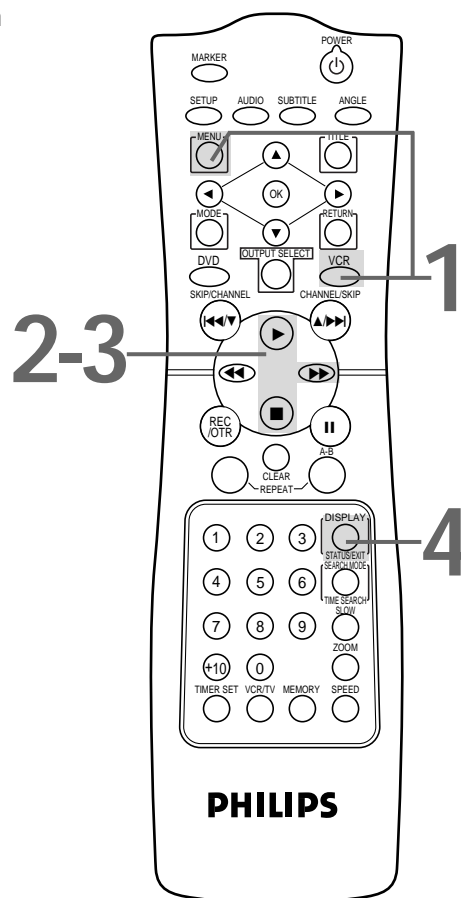
# 3

Press the Play ► button or the Stop ■ button to select CH MEMORY REVIEW, then press the Fast Forward ►► button. A list of memorized channels will appear on the screen.

- If all the memorized channels don't fit on the screen, press the Fast Forward ►► button to see the remaining channels. Then press the Rewind ◀◀ button to return to the first screen of channels.
- If you do not press any buttons within 10 seconds, you will either go to the next screen of channels or you will return to the previous menu.

# 4

Press the DISPLAY/STATUS/EXIT button once or twice to exit.



## 20 Setting the Clock

Follow the steps below to set the clock for the VCR. Make sure:

- The DVD/VCR is on and the VCR/TV light appears on the front of the DVD/VCR. (If it does not, press the VCR/TV button once.)
- You make each entry within 60 seconds of the previous entry.
- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

# 1

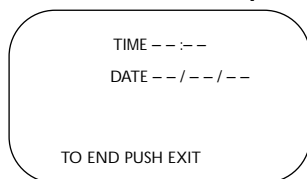
Press the VCR button, then press the MENU button.

# 2

Press the Play ► button or the Stop ■ button to select SET CLOCK, then press the Fast Forward ►► button.

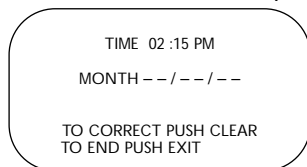
# 3

Press the Play ► button or the Stop ■ button to select SET CLOCK, then press the Fast Forward ►► button.



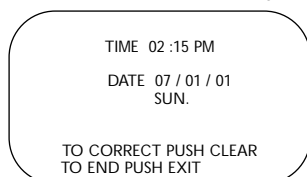
# 4

Press two Number buttons for the hour(s) and two Number buttons for the minute(s). Then press 1 for AM or 2 for PM. For example, for 2:15 PM, press 02, 15, 2.



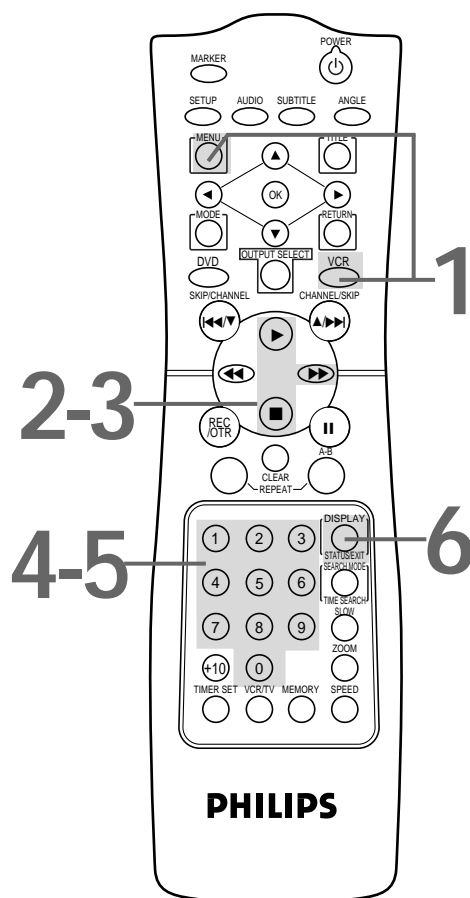
# 5

Press two Number buttons for the month, two Number buttons for the day, and two Number buttons for the year. For example, for July 1, 2001, press 07, 01, 01. The day of the week will appear automatically.



# 6

Press the DISPLAY/STATUS/EXIT button.



### Helpful Hints

- Enter a 0 before a single-digit number.
- Entries that do not match the DVD/VCR's clock or calendar will cause a question mark to appear on the screen.
- To make corrections, press the CLEAR button until the space for the number you want to correct is flashing. Then enter the correct number.
- To see the current time on the TV screen, press the DISPLAY/STATUS/EXIT button. Details are on page 23.
- Power failures that last for more than one minute can cause you to lose your clock setting.

## Daylight-Savings Time 21

You may program the DVD/VCR so the VCR clock will automatically move forward one hour in April and turn back one hour in October. Daylight-Savings Time is ON when you receive your DVD/VCR. Turn Daylight-Savings Time ON or OFF by following the steps below. Before you begin:

- Set the clock. *Details are on page 20.*
- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select SET CLOCK, then press the Fast Forward ►► button.

SET CLOCK

→ SET CLOCK  
DAYLIGHT SVG TIME [ON]

SELECT ▲▼ CHOOSE ►  
TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select DAYLIGHT SVG TIME. Then, press the Fast Forward ►► button so that OFF (or ON) appears beside DAYLIGHT SVG TIME.

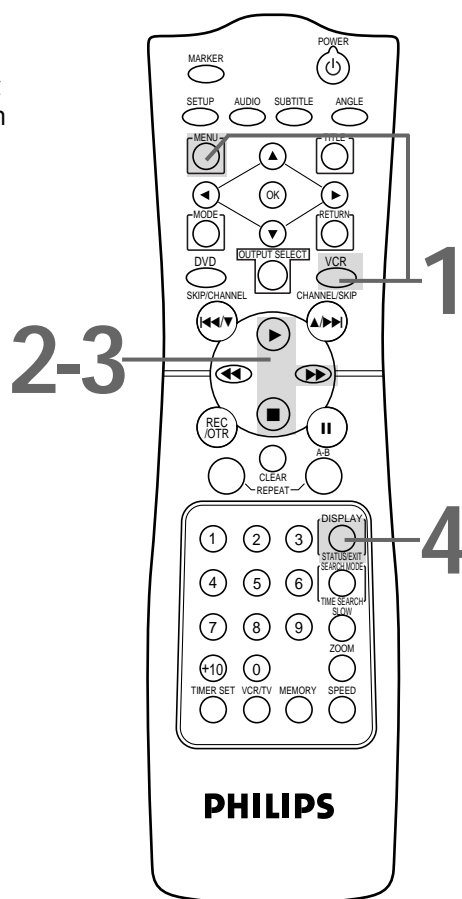
SET CLOCK

SET CLOCK  
→ DAYLIGHT SVG TIME [ON]

SELECT ▲▼ CHOOSE ►  
TO END PUSH EXIT

# 4

Press the DISPLAY/STATUS/EXIT button.



## 22 Language Selection (VCR)

Follow the steps below to change the language of the VCR on-screen displays and menus.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select VCR SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY OFF  
ON SCREEN MODE  
AUDIO OUT  
LANGUAGE  
BLUE BACKGROUND ON

TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select LANGUAGE, then press the Fast Forward ►► button.

SELECT ▲▼

→ ENGLISH ON  
ESPAÑOL

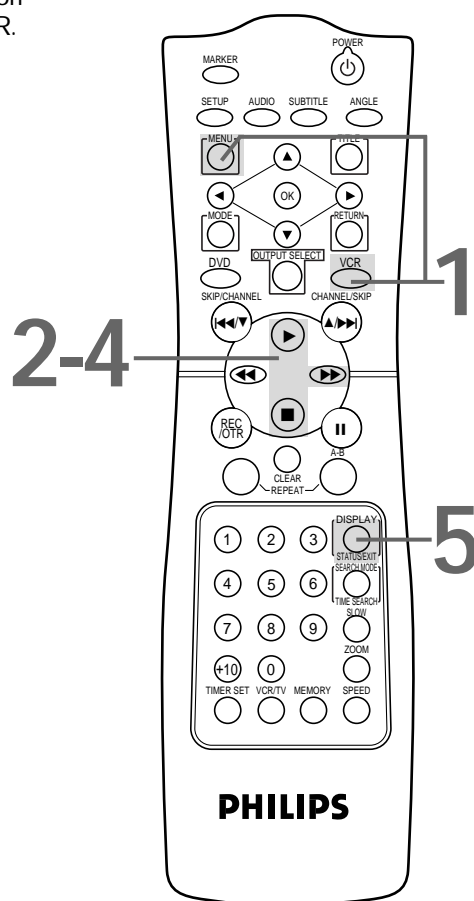
MAKE SELECTION OR  
TO END PUSH EXIT

# 4

Press the Play ► button or the Stop ■ button to select English or Spanish (ESPAÑOL) on-screen displays and menus.

# 5

Press the DISPLAY/STATUS/EXIT button.



### Helpful Hint

- If you accidentally select Spanish and need English:

1. Press the VCR button, then press the MENU button.
2. Press the Play ► button or the Stop ■ button to select PREPARE EL VCR, then press the Fast Forward ►► button.
3. Press the Play ► button or the Stop ■ button to select LENGUAJE, then press the Fast Forward ►► button.
4. Press the Play ► button or the Stop ■ button to select ENGLISH.
5. Press the DISPLAY/STATUS/EXIT button.



## On-Screen Status Displays (VCR) 23

A status display will appear when you press the DISPLAY/STATUS/EXIT button or certain function buttons. The contents of the status display will vary. To choose the status display mode, follow the steps below.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

**If you select STATUS ON, then select COUNTER ONLY ON:**

- Whenever you press the Stop ■ button or the Play ► button, the status display will appear for five seconds. After five seconds, only the counter will remain on the screen. You must press the DISPLAY/STATUS/EXIT button to remove it. Portions of the status display also may appear when you press other function buttons.

**If you select STATUS ON, then select COUNTER ONLY OFF:**

- Whenever you press the Stop ■ button or the Play ► button, the status display will appear for five seconds. Portions of the status display also may appear when you press other function buttons.

**If you select STATUS OFF:**

- The status display will not appear when you press function buttons. You must press the DISPLAY/STATUS/EXIT button to see the status display.

# 1

Press the VCR button, then press the MENU button.

# 2

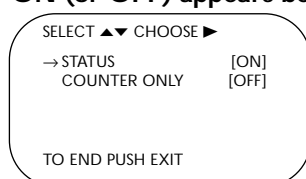
Press the Play ► button or the Stop ■ button to select VCR SET UP, then press the Fast Forward ►► button.

# 3

Press the Play ► button or the Stop ■ button to select ON SCREEN MODE, then press the Fast Forward ►► button.

# 4

Press the Play ► button or the Stop ■ button to select STATUS, then press the Fast Forward ►► button so that ON (or OFF) appears beside STATUS.

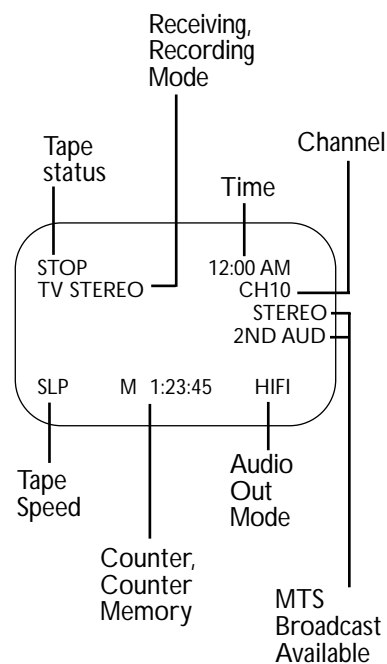


# 5

If you set STATUS to OFF, go to step 6. If you set STATUS to ON, press the Play ► button or the Stop ■ button to select COUNTER ONLY, then press the Fast Forward ►► button so that OFF (or ON) appears beside it.

# 6

Press the DISPLAY/STATUS/EXIT button.



### Helpful Hints

- You may not access a status display when viewing a still picture, during slow motion playback, or during forward or reverse searching.
- The status display may not appear if a weak channel is selected and BLUE BACKGROUND is OFF. Details are on page 49.

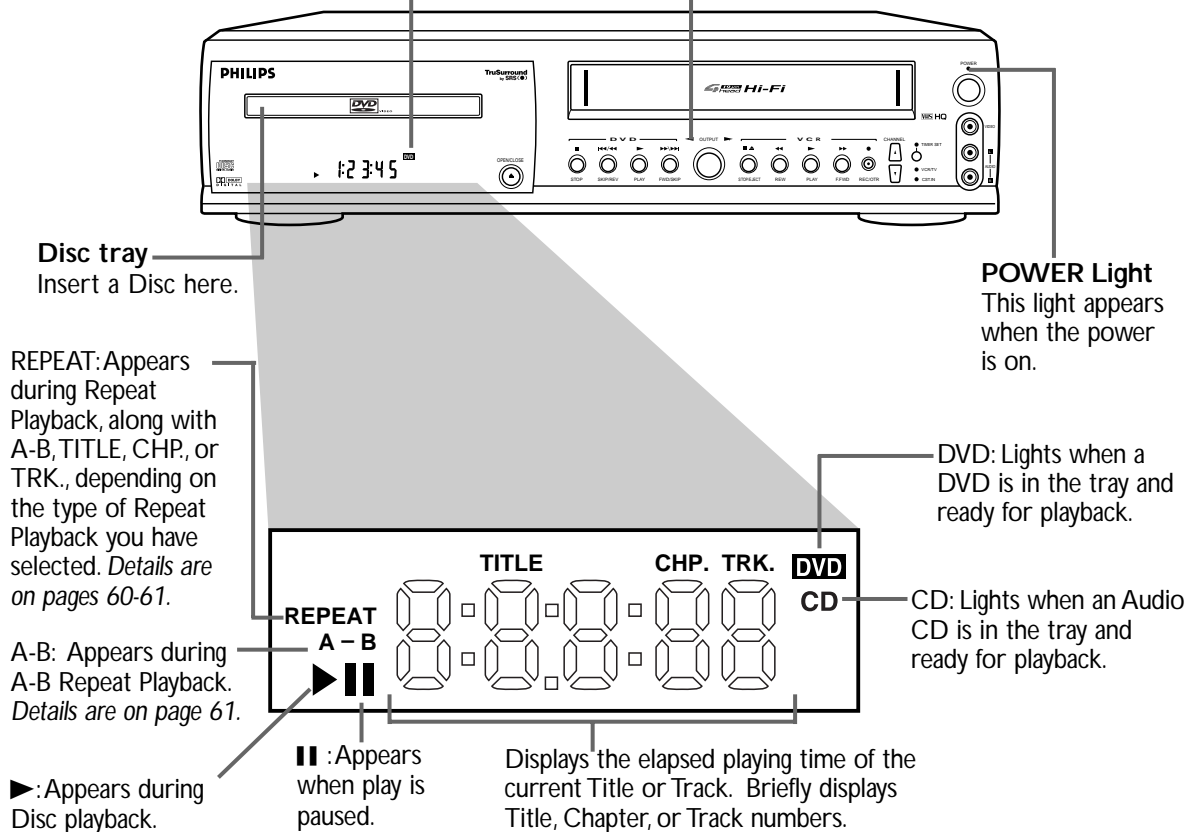
## 24 DVD/VCR Display Panel (DVD)

### Display with Dimmer

Messages about current DVD operations appear here. See Display Messages below. You can adjust the brightness of the display. Details are on pages 74-75.

### DVD OUTPUT Light (red)

This light appears when the DVD/VCR is in DVD mode. You can only watch DVDs when the red DVD OUTPUT light is on. To make the red DVD OUTPUT light come on, press the OUTPUT button on the front of the DVD/VCR or the OUTPUT SELECT button on the remote control.



### Display Messages

P - ON	Power is turning on.
- - - -	Appears after the disc tray closes if the tray is empty, if there is an error reading the disc, or if an unacceptable disc is installed.
OPEN	Tray is opening or is open.
CLOSE	Tray is closing. This also may appear as the Player tries to load a Disc.
Load	Disc is loading.
P - OFF	Power is turning off.



## 26 Front Panel

### TIMER SET Button

Press to put the DVD/VCR into standby mode for a timer recording. *Details are on page 38.*

### REC(ord)/OTR Button (VCR)

Press once to start a recording. Press repeatedly to start a One-Touch Recording. *Details are on page 35.*

### PLAY ► Button (VCR)

Press to play a tape. Press to release Slow, Search, or Still mode and return to playback. *Details are on page 44.* Press to select an item in the VCR menu.

### Remote Sensor

Receives a signal from your remote control so you can work your DVD/VCR from a distance.

### CHANNEL Buttons

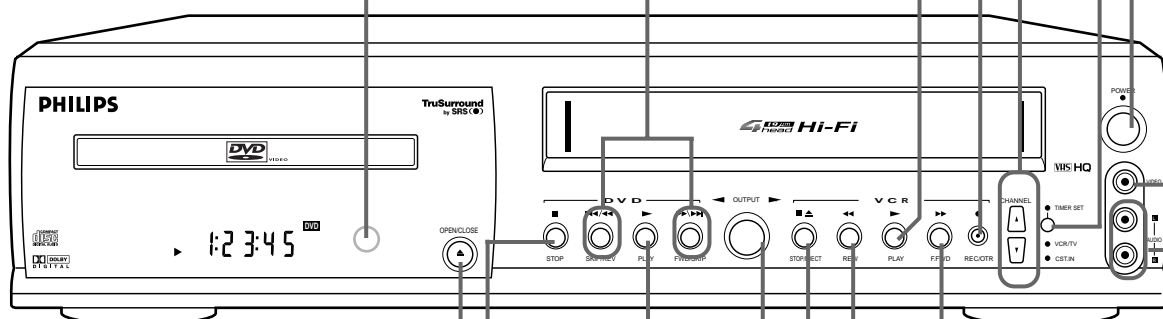
In VCR mode, press to change TV channels at the DVD/VCR; press to adjust the tracking during normal or slow motion playback; press to remove vertical jitter in a Still picture. *Details are on page 45.*

### SKIP/REV(erse), FWD(Forward)/SKIP Buttons (DVD)

Press during playback to go to previous or subsequent Tracks or Chapters. Press and hold for three seconds for a forward or reverse search. *Details are on page 54.*

### POWER Button

Press to turn the power on and off.



### OPEN/CLOSE Button

Press to open or close the Disc tray. *Details are on page 50.*

### PLAY Button (DVD)

Press to start or resume Disc playback. *Details are on page 50.*

### STOP Button (DVD)

Press to stop Disc playback. *Details are on page 50.*

### OUTPUT Button

Press to select DVD mode or VCR mode.

### STOP/EJECT Button (VCR)

Press once to stop the tape. When playback is stopped, press to eject the tape. Press to select an item in the VCR menu.

### F.FWD Button (VCR)

When tape playback is stopped, press to fast forward the tape at high speed. During tape playback, press to fast forward the tape while the picture stays on the screen. *Details are on page 44.* Press to advance to the next VCR menu or to change the setting of an item in the VCR menu.

### REW(ind) Button (VCR)

When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stays on the screen. *Details are on page 44.* Press to return to a previous VCR menu.

### AUDIO In Jacks

Connect audio cables coming from the audio out jacks of a camcorder, another VCR, or an audio source here. *Details are on page 40.*

### VIDEO In Jack

Connect a video cable coming from the video out jack of a camcorder, another VCR, or a video source (laser disc player, video disc player, etc.) here. *Details are on page 40.*

## Rear Panel 27

### ANT-IN (Antenna In) Jack

Connect your antenna or cable here.

*Details are on pages 8-14.*

### AUDIO IN Jacks

Connect audio cables coming from the audio out jacks of a camcorder, another VCR, or an audio source here. *Details are on page 40.*

### DVD/VCR AUDIO OUT Jacks

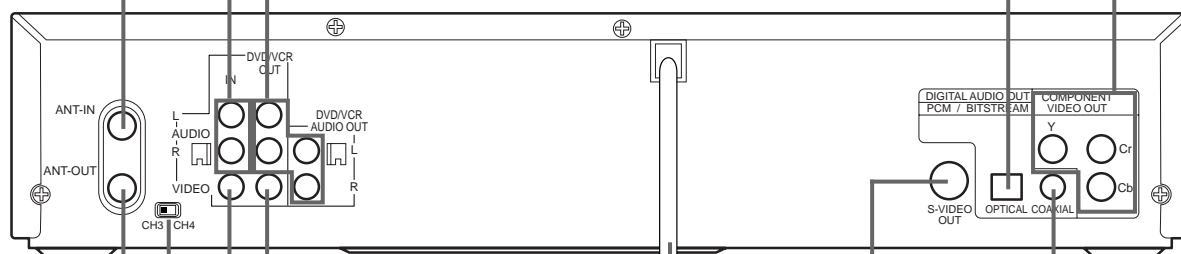
Connect the supplied audio cables here and to the Audio In jacks of a television or other audio equipment. *Details are on pages 12-13.*

### COMPONENT VIDEO OUT Jacks

Connect optional component video cables here and to the component Video In jacks of a television. *Details are on page 13.*

### OPTICAL Jack

Connect an optional audio optical cable here and to the Optical Digital Audio In jack of a decoder or audio receiver. *Details are on page 14.* When the OPTICAL jack is not in use, make sure its protective cap is in place.



### DVD/VCR VIDEO OUT Jack

Connect the yellow video cable (supplied) here and to the TV's Video In jack. *Details are on pages 12 and 14.*

### VIDEO IN Jack

Connect a cable coming from the video out jack of a camcorder, another VCR, or an audio-visual source (laser disc player, video disc player, etc.) here. *Details are on page 40.*

### CH3/CH4 Switch

Set to channel 3 or 4 to use your TV with your DVD/VCR. *Details are on pages 8-14.*

### ANT-OUT (Antenna Out) Jack

Use the supplied RF coaxial cable to connect this jack to the ANTENNA IN Jack on your TV, Cable Box, or Direct Broadcast System. *Details are on pages 8-14.*

**AC Power Cord**  
Connect to a standard AC outlet to supply power to the DVD/VCR.

### COAXIAL Jack

Connect an optional coaxial digital audio cable here and to the Coaxial Digital Audio In jack of a decoder or audio receiver. *Details are on page 14.*

### S-VIDEO OUT Jack

Connect an optional S-Video cable here and to the S-Video In jack of a television. *Details are on pages 12 and 14.*

### Helpful Hint

- The S-VIDEO OUT jack, COAXIAL jack, OPTICAL jack, and COMPONENT VIDEO OUT jacks are only useful in DVD mode.

## 28 Remote Control Buttons

### POWER Button

Press to turn the power on and off. "P-ON" appears briefly on the display panel as the DVD/VCR turns on. "P-OFF" appears briefly as the DVD/VCR turns off. *Details are on page 24.*

### SUBTITLE Button

For a DVD, press to select a language for the subtitles (among those available) or to turn off the subtitles. *Details are on page 65.*

### Arrow Buttons

Press to select an item in the DVD Player Setup menu or in the DVD Disc menu.

### OK Button

Press to confirm a setting or select an item in the DVD Player Setup menu or DVD Disc menu.

### DVD Button

Press before using the remote control for DVD features.

### Fast Forward ►► Button

#### DVD mode ●

Press to fast forward the Disc. *Details are on page 54.*

Press the Pause ■■ button, then press the Fast Forward ►► button to begin slow motion playback. Press the Fast Forward ►► button repeatedly to change the forward speed of slow motion.

*Details are on page 55.*

#### VCR mode ●

When playback is stopped, press to fast forward the tape at high speed. During playback, press to fast forward the tape while the picture stays on the screen. *Details are on page 44.* Press to advance to the next VCR menu or to change the setting of an item in the VCR menu.

### TIMER SET Button

Press to put the DVD/VCR in standby mode so a timer recording can occur. *Details are on pages 36-38.*

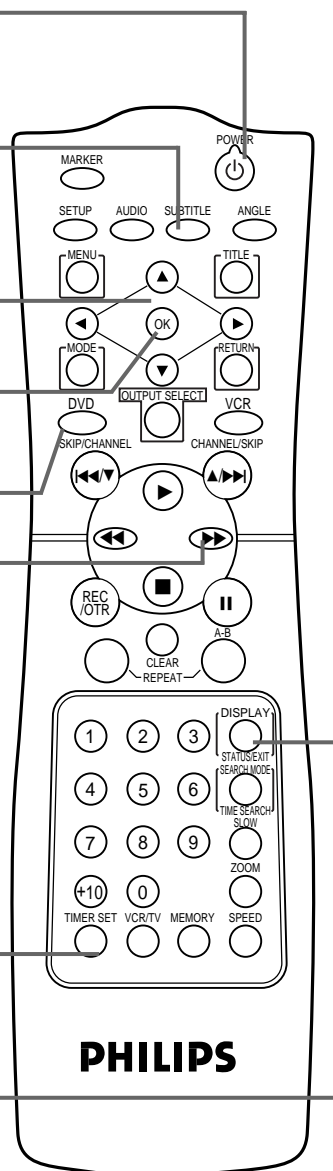
### DISPLAY/STATUS/EXIT Button

#### DVD mode ●

Press to access or remove the display screen during DVD or Audio CD playback. *Details are on pages 69-70.*

#### VCR mode ●

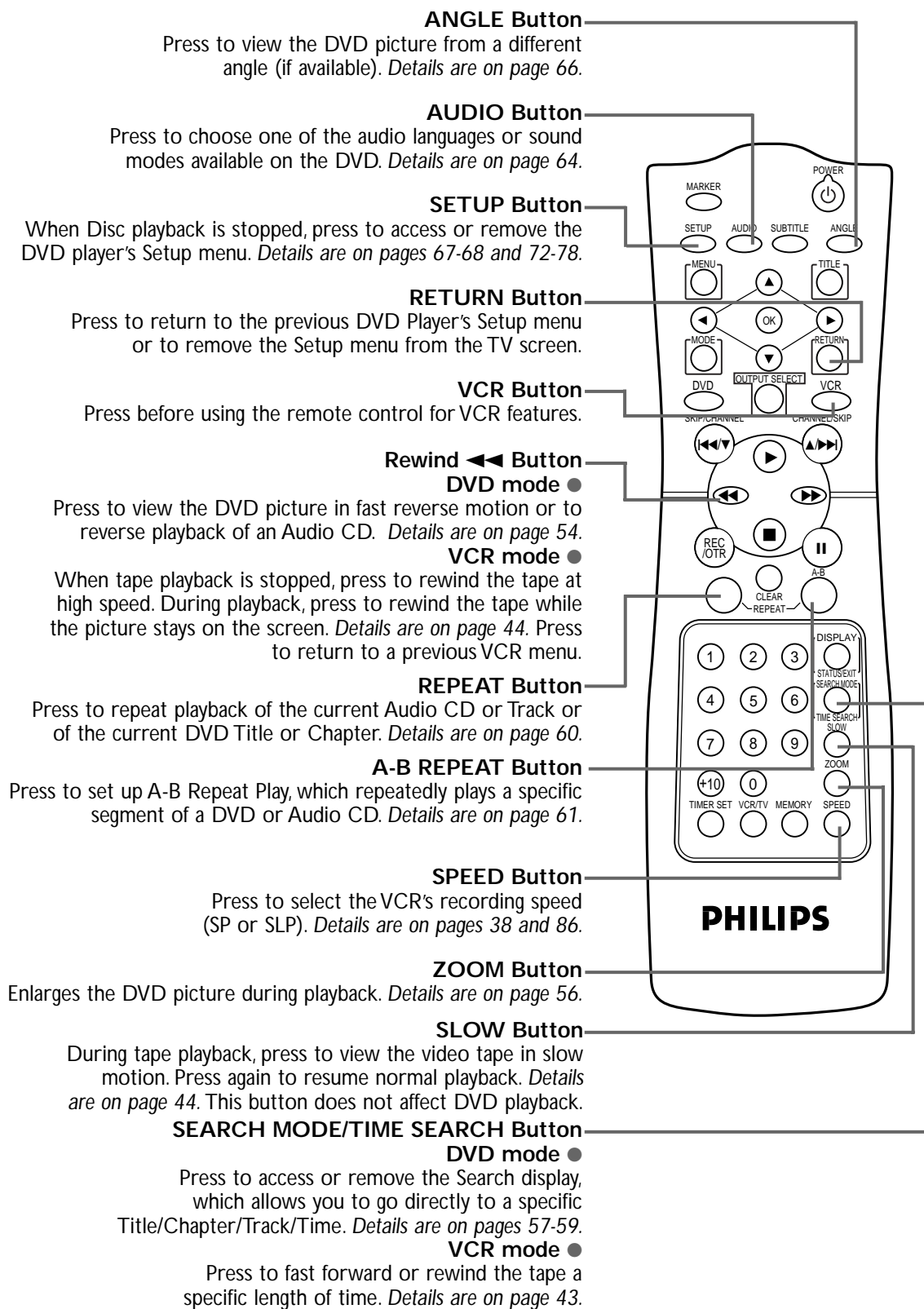
Press to access or remove the VCR's on-screen status display. *Details are on page 23.* Press to exit on-screen VCR menus.



### Helpful Hints

- To use the remote control to operate the DVD player and its features, press the DVD button on the remote control before pressing other DVD buttons. Make sure the DVD/VCR is in DVD mode by pressing the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.
- To use the remote control to operate the VCR and its features, press the VCR button on the remote control before pressing other VCR buttons. Make sure the DVD/VCR is in VCR mode by pressing the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

## Remote Control Buttons (cont'd) 29





## 30 Remote Control Buttons (cont'd)

### MARKER Button

Press during disc playback to set a Marker, which will give you quick access to points that you select on a Disc. *Details are on page 71.*

### MODE Button

Press to set up programmed or random playback for an Audio CD. *Details are on pages 62-63.*

### OUTPUT SELECT Button

Press to select DVD mode or VCR mode. The red DVD OUTPUT light will appear on the front of the DVD/VCR when it is in DVD mode. The green VCR OUTPUT light will appear on the front of the DVD/VCR when it is in VCR mode.

### SKIP/CHANNEL Buttons

#### DVD mode ●

Press to skip Chapters or Tracks. *Details are on pages 57-58.*

#### VCR mode ●

Press to change TV channels at the DVD/VCR.

### REC(ord)/OTR Button

Press once to start a recording. *Details are on page 33.* Or, press repeatedly to start a One-Touch Recording. *Details are on page 35.*

### Number Buttons

#### DVD mode ●

Press to directly select a Track (Audio CD) for playback. *Details are on page 57.*

Press to program Tracks (Audio CD) for playback. *Details are on page 62.*

#### VCR mode ●

Use to set up VCR features (such as the clock).

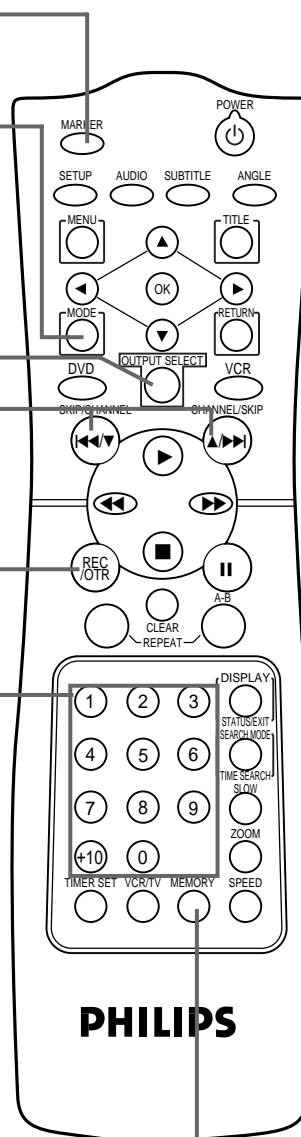
Press to select TV channels at the DVD/VCR.

**Cable Users:** Enter channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0,6. If you only press the Number 6 button, channel 6 will be selected after a brief delay. (There also may be a brief delay when you select channels 10, 11, and 12.) If you want to select channels 100 and above, enter channel numbers as a three-digit number. For example, to select channel 117, press number buttons 1, 1, 7.

**Antenna Users:** Enter channel numbers as a two-digit number for the quickest results. For example, to select channel 5, press 0,5. If you only press the Number 5 button, channel 5 will be selected after a brief delay. You may only select channels 2-69.

### MEMORY Button

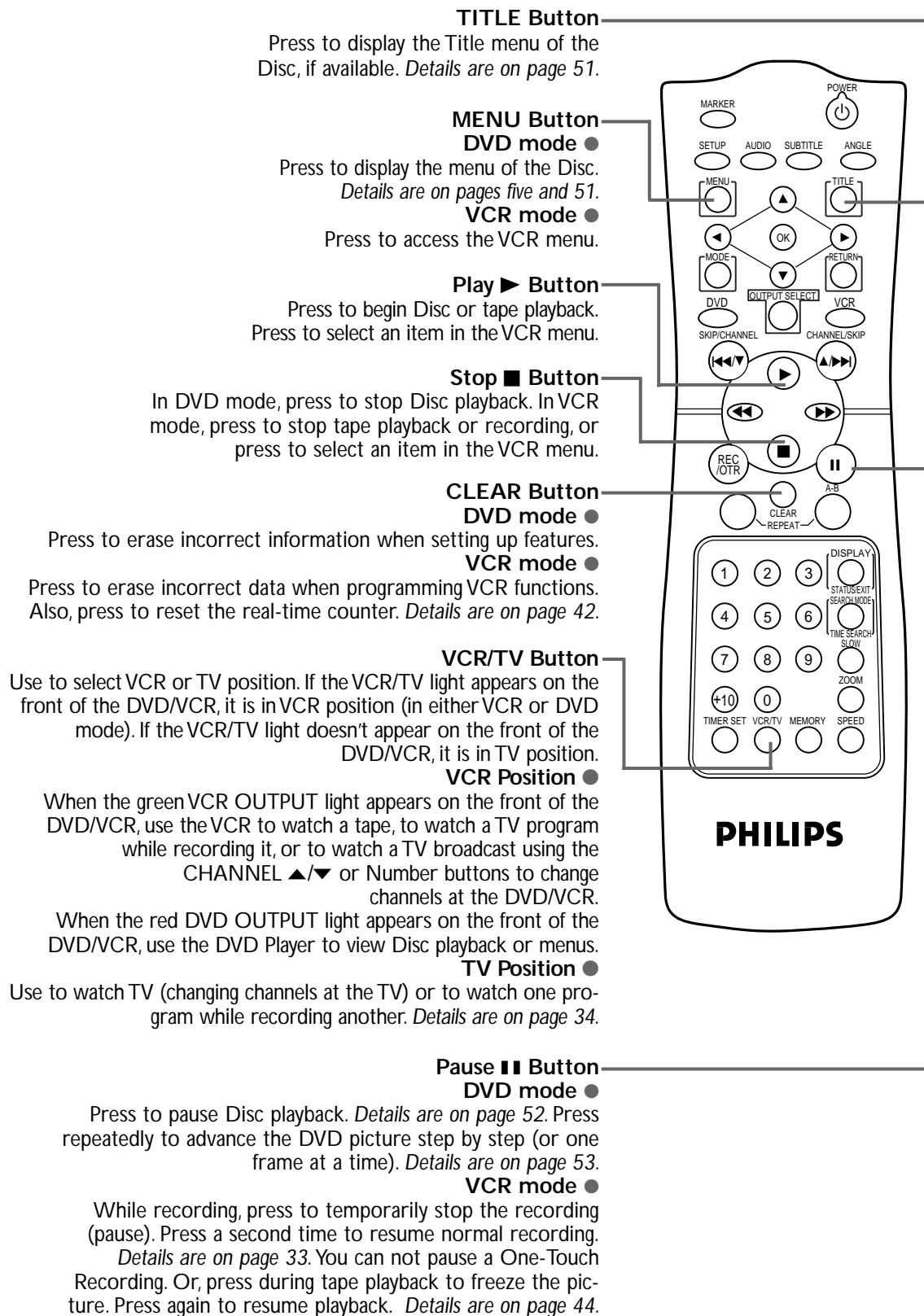
Press to memorize a tape position at which the real-time counter was set to 0:00:00. *Details are on page 42.*



### Helpful Hints

- To use the remote control to operate the DVD player and its features, press the DVD button on the remote control before pressing other DVD buttons. Make sure the DVD/VCR is in DVD mode by pressing the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.
- To use the remote control to operate the VCR and its features, press the VCR button on the remote control before pressing other VCR buttons. Make sure the DVD/VCR is in VCR mode by pressing the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

## Remote Control Buttons (cont'd) 31



## 32 Playing a Video Cassette Tape

### VCR

Read and follow the steps below to play a tape.

# 1

**Turn on the TV and set it to channel 3 or 4**, whichever channel the CH3/CH4 switch on the back of the DVD/VCR is set to. Or, if you connected the DVD/VCR to the TV using audio and video cables, select the correct audio and video in channel at the TV. *Details are on page 12.*

# 2

**With the DVD/VCR power off, insert a tape in the cassette compartment of the DVD/VCR.** The POWER, green VCR OUTPUT, VCR/TV and CST. IN lights will appear on the front of the DVD/VCR. If the tape's record tab has been removed, playback will start automatically.

If the DVD/VCR power was on already, press the OUTPUT SELECT button to put the DVD/VCR in VCR mode. The green VCR OUTPUT light will appear on the front of the DVD/VCR.

# 3

**If playback does not start automatically, press the VCR button, then press the Play ► button.**

# 4

**Press the Stop ■ button to stop playback.**

# 5

**Press the Rewind ◀◀ button to rewind the tape.**

# 6

**After the tape stops, press the STOP/EJECT button on the DVD/VCR to remove the tape.**

### S-VHS Quasi Play Back (SQPB)

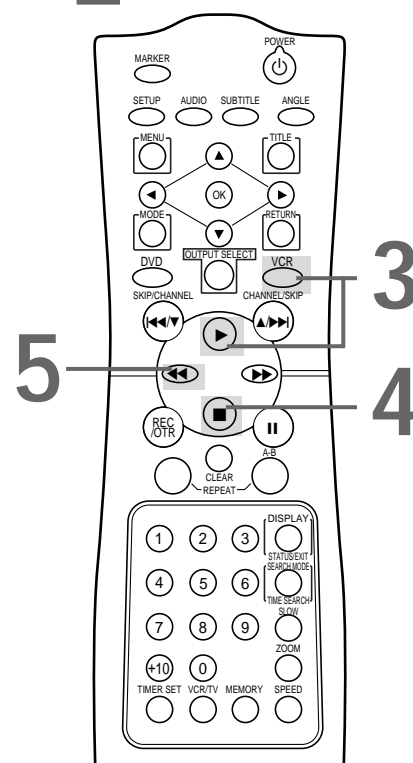
This unit allows you to view a tape recorded in S-VHS format. A tape recorded in S-VHS format will play the same as a tape recorded in normal format. This unit detects whether the tape is recorded in S-VHS format or in normal format.

# 1

Turn on the TV.

# 2

Insert a tape in the DVD/VCR.



# 6

Press STOP/EJECT on the DVD/VCR.

### Helpful Hints

- If the tape you want to play is already in the DVD/VCR, make sure the DVD/VCR power is on and the DVD/VCR is in VCR mode and VCR position. (The green VCR OUTPUT light and the VCR/TV light will appear on the front of the DVD/VCR.) Then press the Play ► button.
- Other tape playback options and features are on pages 41-48.
- When you play a tape recorded in S-VHS format on this unit, you can not get the high resolution that would be available on an S-VHS VCR. Noise lines (black and white streaks) may appear on the picture.
- If REPEAT PLAY is ON, playback will begin automatically, even when the record tab is intact. Details are on page 41.

## Recording on a Video Cassette Tape 33

### VCR

Read and follow the steps below to record a television program onto a video cassette tape. Before you begin, make sure the DVD/VCR is in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

# 1

**Turn on the TV and set it to channel 3 or 4**, whichever channel the CH3/CH4 switch on the back of the DVD/VCR is set to. Or, if you connected the DVD/VCR to the TV using audio and video cables, select the correct audio and video in channel at the TV. *Details are on page 12.*

# 2

**Insert a tape with its record tab intact into the cassette compartment of the DVD/VCR.** If tape playback begins, press the Stop ■ button.

# 3

If the VCR/TV light appears on the front of the DVD/VCR, go to step 4. **If the VCR/TV light does not appear, press the VCR button, then press the VCR/TV button once.**

# 4

**Press the SPEED button until the desired tape speed appears briefly on the screen.** (*Details about tape speed are on page 38.*)

# 5

**Use the CHANNEL ▲/▼ buttons or the Number buttons to select the TV channel to be recorded.**

# 6

**Press the REC(ord)/OTR button once to start recording.** The REC(ord)/OTR light will appear on the front of the DVD/VCR.

# 7

**To pause the recording, press the Pause ■■ button once.** The REC(ord)/OTR light will flash. **To resume recording, press the REC(ord)/OTR button or press the Pause ■■ button again.** The REC(ord)/OTR light will come on again.

# 8

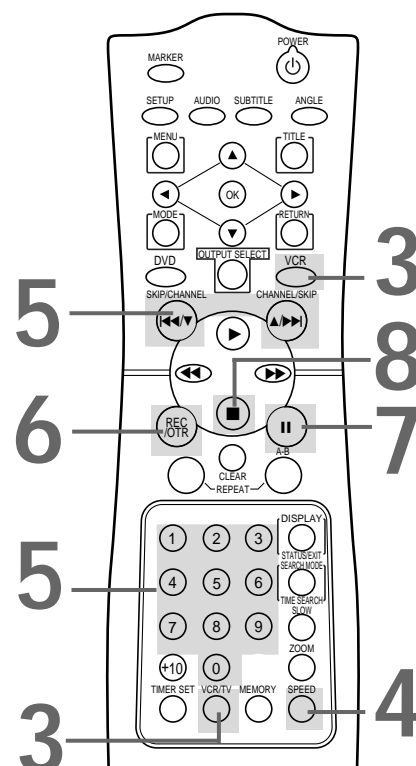
**To stop recording, press the Stop ■ button.**

# 1

Turn on the TV.

# 2

Insert a tape in the DVD/VCR.



### Helpful Hints

- If you press the REC(ord)/OTR button when there is not a tape in the DVD/VCR, NO CASSETTE will flash on the screen.
- If you press the REC(ord)/OTR button while a tape without a record tab is in the DVD/VCR, the DVD/VCR will eject the tape and PROTECTED CASSETTE CANNOT RECORD will flash on the screen.
- Other recording options are on pages 34-40.
- You can change the tape speed during a recording, but some distortion will appear on the tape.
- The DVD/VCR will record in a preset volume.

## 34 Recording One Channel/Watching Another

### VCR

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the REC(ord)/OTR button to record the current TV channel. Details are on page 33.

# 2

Press the VCR/TV button once to put the DVD/VCR in TV position. The VCR/TV light will disappear from the front of the DVD/VCR.

# 3

Use the TV remote control to select the channel you want to watch at the TV.

# 4

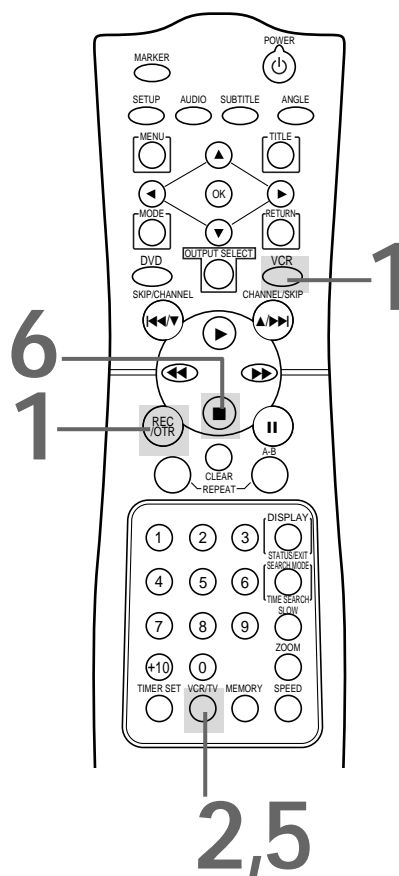
To return to the channel being recorded, use the TV remote control to select channel 03 or 04 at the TV (the channel to which the CH3/CH4 switch on the back of the DVD/VCR is set). Or, if you connected the DVD/VCR to the TV using audio and video cables, select the correct audio and video in channel at the TV. Details are on page 12.

# 5

Press the VCR/TV button on the DVD/VCR remote control to put the DVD/VCR in VCR position. The VCR/TV light will appear on the front of the DVD/VCR. The channel being recorded will appear on the TV screen.

# 6

Press the Stop ■ button to stop the recording.



**3** Select the channel you want to watch at the TV.

**4** Select channel 03 or 04 at the TV.

### Helpful Hint

- If you use a Cable Box or Direct Broadcast System hookup, you may not be able to watch one channel while recording another. See pages 10-11 for details.

## One-Touch Recording 35

### VCR

The One-Touch Recording (OTR) feature allows you to set an immediate timed recording 30 minutes to eight hours long. Before you begin:

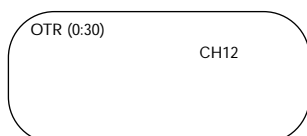
- Place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.
  - Place the DVD/VCR in VCR position. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.
  - Set up the TV channels at the DVD/VCR. *Details are on page 17.*
  - Select a recording speed (SP, SLP) with the SPEED button.
  - Put a tape in the cassette compartment of the DVD/VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).
  - If the end of a tape is reached during an OTR, the DVD/VCR will eject the tape. The DVD/VCR will switch to DVD mode immediately, and the TIMER SET light will blink. To let the OTR continue, insert another tape in the DVD/VCR.
- To return to VCR mode, press the TIMER SET button on the front of the DVD/VCR, then press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

# 1

Press the **VCR** button, then press the **CHANNEL ▲/▼** buttons or the **Number** buttons to select the channel you want to record.

# 2

Press the **REC(ord)/OTR** button repeatedly until the desired recording length (30 minutes to eight hours) appears on the screen. Recording will begin immediately. The REC(ord)/OTR light and the TIMER SET light will appear on the front of the DVD/VCR.

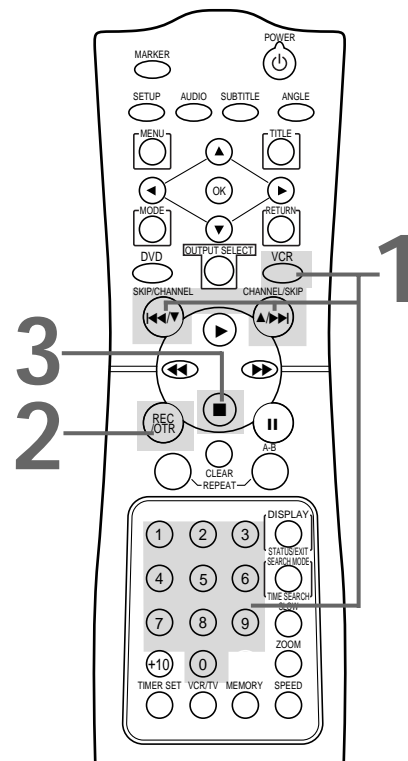


# 3

To stop an OTR before recording is finished, press the **Stop** button.

To cancel the OTR but continue recording, press the REC(ord)/OTR button repeatedly until REC appears in the upper left corner of the TV screen. (STATUS must be ON. See page 23 for details.) The REC(ord)/OTR light will remain on the front of the DVD/VCR, but the TIMER SET light will disappear.

**When the OTR finishes**, if no timer recordings are set, the TIMER SET light will blink. The DVD/VCR will switch to DVD mode automatically. To return to VCR mode, press the TIMER SET button, then press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. (The TIMER SET light will disappear.)



### Helpful Hints

- To check the time remaining for an OTR, press the **DISPLAY/STATUS/EXIT** button.
- To change the recording length while an OTR is in progress, press the **REC(ord)/OTR** button until the desired length appears on the screen.
- If you begin an OTR when another recording is paused, the OTR will begin.
- You can not pause an OTR.
- If the preset time for a timer recording comes up during an OTR, the OTR has priority. A message will remind you when the timer recording was scheduled to begin. You may let the OTR continue; the timer recording will not take place. Or, stop the OTR and press the **TIMER SET** button immediately. The timer recording will take place if you press the **TIMER SET** button before the timer recording's scheduled start time.



## 36 Timer Recording

### VCR

Follow the steps below to program your DVD/VCR to record TV programs while you're away from home. The DVD/VCR will turn itself on, record, and turn itself off automatically. Before you begin:

- Set up the TV channels at the DVD/VCR. *Details are on page 17.*
- Set the clock. If the clock is not set, **CLOCK MUST BE SET** will appear on the TV screen briefly, followed by the VCR menu. Follow the directions on page 20 to set the VCR's clock.
- Put a tape in the cassette compartment of the DVD/VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).
- Press the **OUTPUT SELECT** button so that the green **VCR OUT** light appears on the front of the DVD/VCR.
- Press the **VCR/TV** button so that the **VCR/TV** light appears on the front of the DVD/VCR.

Do each step within 60 seconds of the previous step.

# 1

Press the **VCR** button, then press the **MENU** button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the **Play ►** button or the **Stop ■** button to select **PROGRAM**, then press the **Fast Forward ►►** button.

SELECT ▲▼ CHOOSE ►

→ ONCE  
DAILY  
WEEKLY  
PROGRAM REVIEW

TO END PUSH EXIT

# 3

Press the **Play ►** button or the **Stop ■** button to select a **ONCE**, **DAILY**, or **WEEKLY** recording. Then, press the **Fast Forward ►►** button.

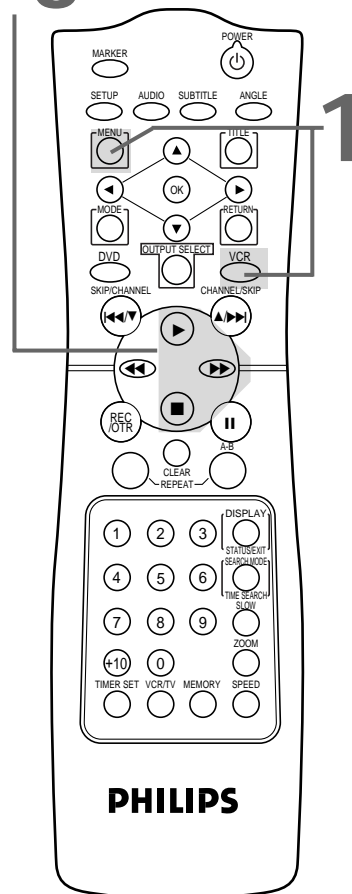
- **ONCE**: The DVD/VCR will record a TV program on any day you choose, up to 12 months away.
- **DAILY**: The DVD/VCR will record the same channel every day from Monday to Friday – starting at the same time and recording for the same length of time.
- **WEEKLY**: The DVD/VCR will record the same channel on the same day, at the same time, and for the same length of time every week.

**Daily  
Recording  
(example)**

DAILY PROGRAM (MON-FRI)  
PROGRAM -1 2 3 4 5 6 7 8-

SELECT PROGRAM NUMBER  
TO END PUSH EXIT

# 2-3



### Helpful Hint

- If you need to make a correction while programming a timer recording, press the **CLEAR** button until the cursor is flashing on the item you want to change. Then enter the correct information.



## Timer Recording (cont'd) 37

### 4

Use the Number buttons (1-8) to select a slot in which to store the timer recording. There are eight slots. Numbers for open slots will flash on the screen.

*NOTE: If you enter a number for a slot that has already been used to store a timer recording, PREVIOUSLY SET PROGRAM will appear on the screen briefly. Information about the program in that slot will appear on the screen. If this happens, press the DISPLAY/STATUS/EXIT button, then select another number.*

### 5

Use the Number buttons to enter the TV channel you want to record.

- Cable Users, enter channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0,6. If you only press the Number 6 button, channel 6 will be selected after a brief delay. There also may be a brief delay when you select channels 10, 11, and 12. If you want to select channels 100 and above, enter channel numbers as a three-digit number. For example, to select channel 117, press 1, 1, 7.
- Antenna Users, enter channel numbers as a two-digit number for the quickest results. For example, to select channel 5, press 0,5. If you only press the Number 5 button, channel 5 will be selected after a brief delay. You may only select channels 2-69.
- If you are recording from line input, press 0,0 to select AV REAR.
- If you are using a Cable Box/DBS, select the Cable Box/DBS output channel (03 or 04). Set the Cable Box/DBS to the channel you want to record. **Leave the Cable Box/DBS on for the timer recording.** Details are on page 10.

### 6

Press two Number buttons for the hour you want the recording to begin. Press two Number buttons for the minute you want the recording to begin. Press 1 for AM or 2 for PM. For example, for 9:30 PM, press 09, 30, 2.

ONE TIME PROGRAM  
PROGRAM 1  
CHANNEL 10  
TIME ON ---:--

TO CORRECT PUSH CLEAR  
TO END PUSH EXIT

### 7

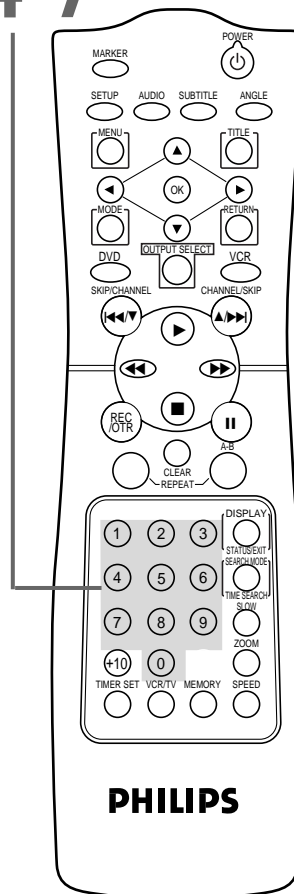
Follow the instructions in step 6 to enter the recording's stop time. (AM or PM will be set automatically.)

ONE TIME PROGRAM  
PROGRAM 1  
CHANNEL 10  
TIME ON 09:30 PM  
TIME OFF ---:--

TO CORRECT PUSH CLEAR  
TO END PUSH EXIT

Instructions continue on page 38.

### 4-7



#### Helpful Hints

- Entries that do not match the DVD/VCR's clock or calendar will cause a question mark to appear on the screen.
- If you are recording from line input, connect the audio and video cables to the AUDIO IN and VIDEO IN jacks on the back of the DVD/VCR. (Please see illustration on page 40.)

## 38 Timer Recording (cont'd)

# 8

Press the **Number 1** button to record in **SP** speed or the **Number 2** button to record in **SLP** speed. (See the chart below.) You cannot use the **SPEED** button at this time.

ONE TIME PROGRAM  
PROGRAM 1  
CHANNEL 10  
TIME ON 09:30 PM  
TIME OFF 11:00 PM  
REC SPEED SLP  
SP=1 SLP=2

TO CORRECT PUSH CLEAR  
TO END PUSH EXIT

# 9

Press two **Number** buttons for the month and two **Number** buttons for the day you want to record the program. For example, for July 10, 2001, press 07, 10. The day of the week and the year will appear automatically (you cannot program the DVD/VCR to record more than one year in advance).

ONE TIME PROGRAM  
PROGRAM 1  
CHANNEL 10  
TIME ON 09:30 PM  
TIME OFF 11:00 PM  
REC SPEED SLP  
START DATE 07/10/01  
TUE.

TO CORRECT PUSH CLEAR  
TO END PUSH EXIT

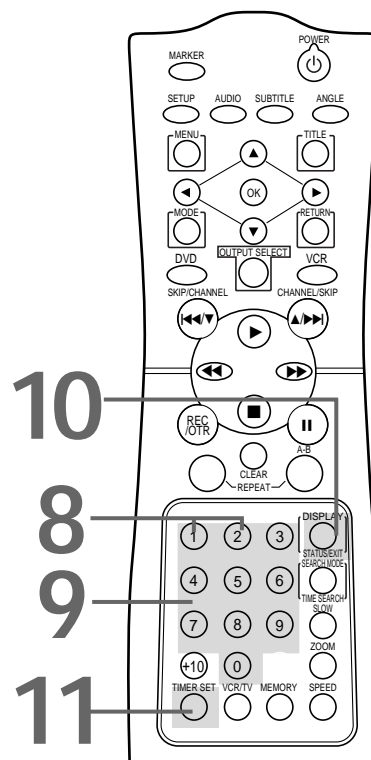
# 10

Press the **DISPLAY/STATUS/EXIT** button. PROGRAM WAS COMPLETED/PLEASE PUSH TIMER-SET FOR TIMER RECORDING will appear on the screen briefly. (If PROGRAM NOT COMPLETED appears, try again from step 1.)

# 11

Press the **TIMER SET** button. The **TIMER SET** light will appear on the front of the DVD/VCR. The DVD/VCR will be in DVD mode. The VCR/TV light will disappear, meaning the DVD/VCR is in TV position.

If the timer recording will take place several hours or days from now, you may use the DVD/VCR until time for the recording. Press the **TIMER SET** button a few minutes before the recording starts. If you forget to press the **TIMER SET** button, PLEASE PUSH TIMER-SET FOR TIMER RECORDING flashes on your TV screen two minutes before a timer recording starts. Press the **CLEAR** button to remove the message. Then press the **TIMER SET** button.



### Helpful Hints

- When all timer recordings are finished, the **TIMER SET** light will flash. To use the DVD/VCR again as usual, press the **TIMER SET** button to disable the flashing **TIMER SET** light, then press the **VCR/TV** button to select VCR position. The VCR/TV light will appear. Press the **OUTPUT SELECT** button to choose VCR or DVD mode, then continue with other features as described in this manual.
- When timer recordings are set, the **TIMER SET** light will appear. To use the DVD/VCR as usual until time for the recording, press the **TIMER SET** button so that the **TIMER SET** light disappears. Press the **VCR/TV** button to choose VCR position. The VCR/TV light will appear. Press the **OUTPUT SELECT** button to choose VCR or DVD mode, then continue with other features as described in this manual.

### Tape Speeds

This chart shows the recording/playback time for three types of video cassettes (T160, T120, and T60). There are three playback speeds: SP, LP, and SLP. You can record in SP or SLP speed. You cannot record in LP speed.

Tape Speed	Cassette type/Playback Time		
	T160	T120	T60
SP (standard play)	2 hrs. 40 mins.	2 hrs.	1 hr.
LP (long play) (playback only)	5 hrs. 20 mins.	4 hrs.	2 hrs.
SLP (super long play)	8 hrs.	6 hrs.	3 hrs.

## Timer Recording (cont'd) 39

### Checking or Cancelling Timer Recordings

- Before you begin, place the DVD/VCR in VCR mode.  
Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

# 1

With the DVD/VCR on and in VCR mode and in VCR position (press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR), **press the VCR button, then press the MENU button.**

# 2

Press the Play ► button or the Stop ■ button to select **PROGRAM**, then press the Fast Forward ►► button.

# 3

Press the Play ► button or the Stop ■ button to select **PROGRAM REVIEW**, then press the Fast Forward ►► button. The timer recording information for the program in the lowest numbered slot will appear on the screen. If no timer recordings are set, nothing will happen when you press the Fast Forward ►► button.

# 4

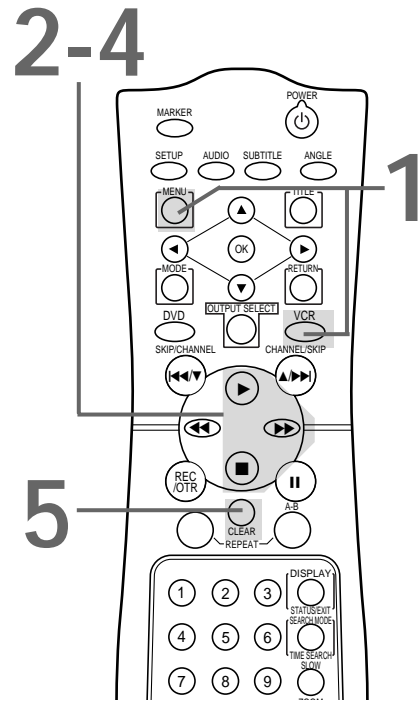
Press the Fast Forward ►► button repeatedly to review **all programmed timer recordings**. If you don't press the Fast Forward ►► button within 10 seconds, the DVD/VCR will automatically display information about the next programmed timer recording. This will continue until all timer recordings have been displayed. Then the menu will disappear.

# 5

To cancel the timer recording displayed, press the **CLEAR** button. Either the display will disappear or information about other timer recordings will appear. If you do not press any other buttons, the display will disappear after all timer recordings have been displayed.

# 6

Repeat steps 1-4 to make sure you have cleared the correct timer recording.



### Helpful Hints

- CLASH may flash on the screen when you finish setting a timer recording. This means the timer recording you just programmed overlaps another timer recording. The current timer recording will not occur. You may cancel the overlapping timer recording.
- To stop a started timer recording, press the STOP/EJECT button or the TIMER SET button on the front of the DVD/VCR.
- If the power fails for more than one minute, programmed timer recordings will be lost. If this occurs, repeat the steps on pages 16 and 20 before resetting the timer recordings.
- If the preset time for a timer recording comes up during an OTR, the OTR has priority. A message will remind you when the timer recording was scheduled to begin. You may let the OTR continue; the timer recording will not take place. Or, stop the OTR and press the TIMER SET button immediately. The timer recording will take place if you press the TIMER SET button before the timer recording's scheduled start time.

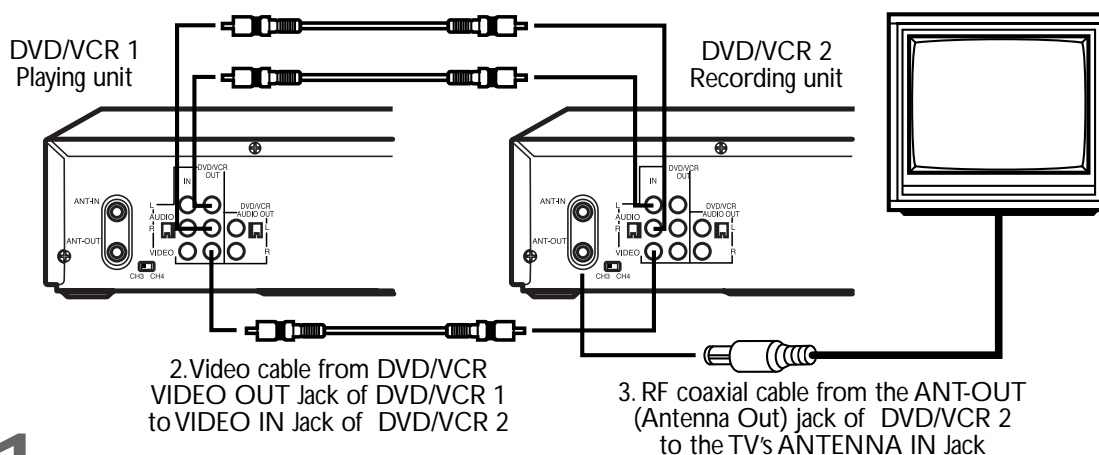
See page 82 for more hints.

## 40 Rerecording (Tape Duplication)

### VCR

The instructions on this page show you how to copy tapes. The illustration uses two DVD/VCRs. Different VCRs may operate differently. To duplicate a tape, make the connections shown, then follow steps 1-7.

1. Audio cables from DVD/VCR AUDIO OUT Jacks of DVD/VCR 1 to AUDIO IN Jacks of DVD/VCR 2



**1**  
Make the connections shown above.

**2**  
DVD/VCR 1 will play your tape. **Put a prerecorded tape into the cassette compartment of DVD/VCR 1.** The DVD/VCR must be in VCR mode and VCR position. (The green VCR OUTPUT light and the VCR/TV light will appear on the front of the DVD/VCR.)

**3**  
DVD/VCR 2 will record your tape. **Insert a blank tape in the cassette compartment of DVD/VCR 2.** The DVD/VCR must be in VCR mode and VCR position. (The green VCR OUTPUT light and the VCR/TV light will appear on the front of the DVD/VCR.)

**4**  
**Turn on the TV and set it to channel 03 or 04,** whichever channel the CH3/CH4 switch on DVD/VCR 2 is set to.

**5**  
**Point the remote control at DVD/VCR 2. Press the VCR button, then press the Number buttons 0, 0, 1 or 0, 0, 2.** (See *Helpful Hints* at right.)

**6**  
**Press the SPEED button to select SP or SLP at DVD/VCR 2.**

**7**  
**Press the VCR PLAY button on DVD/VCR 1 and the VCR REC(ord)/OTR button on DVD/VCR 2 at the same time.** To stop recording, press the STOP/EJECT button on DVD/VCR 1, then press the STOP/EJECT button on DVD/VCR 2.

### Helpful Hints

- If you use the AUDIO and VIDEO IN Jacks on the back of DVD/VCR 2, press Number buttons 0, 0, 1 at step 5. AV REAR will appear on the TV screen.
- If you use the AUDIO and VIDEO In Jacks on the front of DVD/VCR 2, press Number buttons 0, 0, 2 at step 5. AV FRONT will appear on the TV screen.
- Unauthorized recording of copyrighted television programs, video tapes, or other materials may infringe on the rights of copyright owners and violate copyright laws.
- If a program has copyright protection, it may not record clearly.
- These instructions show you how to copy tapes using two DVD/VCRs like yours. Different VCRs may operate differently.
- You cannot record DVD material onto a video cassette tape using a single unit.

## Repeat Play (Video Cassette Tapes) 41

### VCR

- Before you begin, place the DVD/VCR in VCR mode.  
Press the OUTPUT SELECT button so that the green VCR OUT-PUT light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select VCR SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY OFF  
ON SCREEN MODE  
AUDIO OUT  
LANGUAGE  
BLUE BACKGROUND ON

TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select REPEAT PLAY.

# 4

Press the Fast Forward ►► button so that ON appears beside REPEAT PLAY.

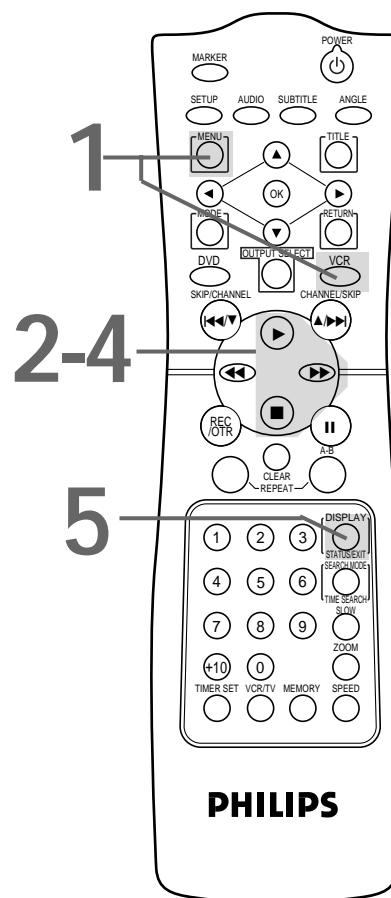
SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY ON  
ON SCREEN MODE  
AUDIO OUT  
LANGUAGE  
BLUE BACKGROUND ON

TO END PUSH EXIT

# 5

Press the DISPLAY/STATUS/EXIT button. Now, when a tape has finished playing, the DVD/VCR will rewind it and start playback again.



### Helpful Hints

- To cancel Repeat Play, follow steps 1-3 above. At step 4, press the Fast Forward ►► button so that OFF appears beside REPEAT PLAY. Press the DISPLAY/STATUS/EXIT button.
- The real-time counter memory does not function during Repeat Play.

## 42 Real-Time Counter Memory

### VCR

Follow the steps below to reset the real-time counter to zero at a tape location you want to refer to later.

- Before you begin, place the DVD/VCR in VCR mode.

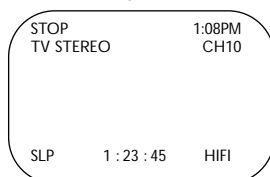
Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then play, fast forward, or rewind a tape to the location that you would like to refer to later. Press the Stop ■ button to stop the tape.

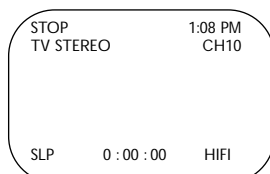
# 2

Press the DISPLAY/STATUS/EXIT button to see the status display.



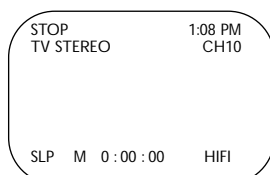
# 3

While the status display is on the screen, press the CLEAR button to reset the real-time counter to zero.



# 4

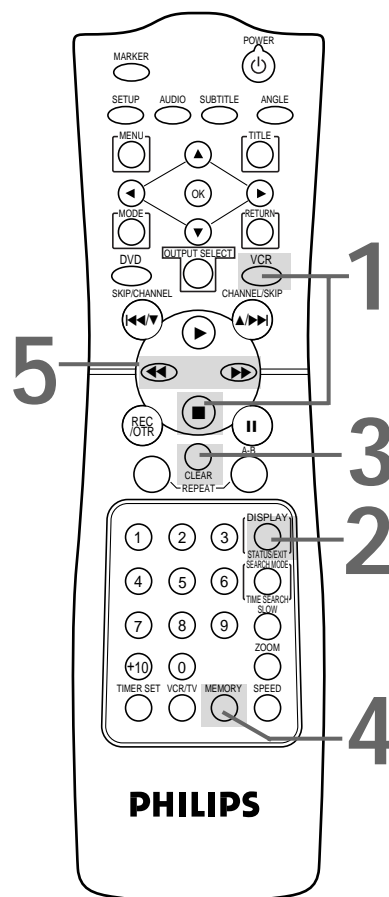
While the real-time counter is on the screen, press the MEMORY button so that M appears beside the counter.



# 5

To go to a tape location where the real-time counter was reset to zero, press the Rewind ◀◀ button or the Fast Forward ▶▶ button when playback is stopped.

When the tape reaches the point at which the counter was set to zero, the tape will stop. Press the Play ▶ button to watch the tape.



### Helpful Hints

- The MEMORY button does not function if REPEAT PLAY is ON. Details are on page 41.
- To erase a real-time counter memory, press the MEMORY button until the M disappears from the screen.
- You may only set the real-time counter to zero at one location at a time. If you set the real-time counter to zero at a second location, the previous real-time counter to zero setting will be erased.
- If you remove the tape, the counter will reset to zero at the point at which you last stopped playback whenever you reinsert the tape.

## Time Search 43

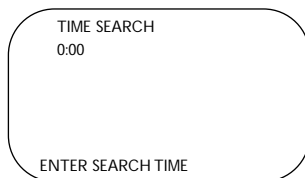
### VCR

Follow the steps below to program the DVD/VCR to search forward or backward on a tape a specific length of time. There must be a tape in the DVD/VCR.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the SEARCH MODE/TIME SEARCH button.

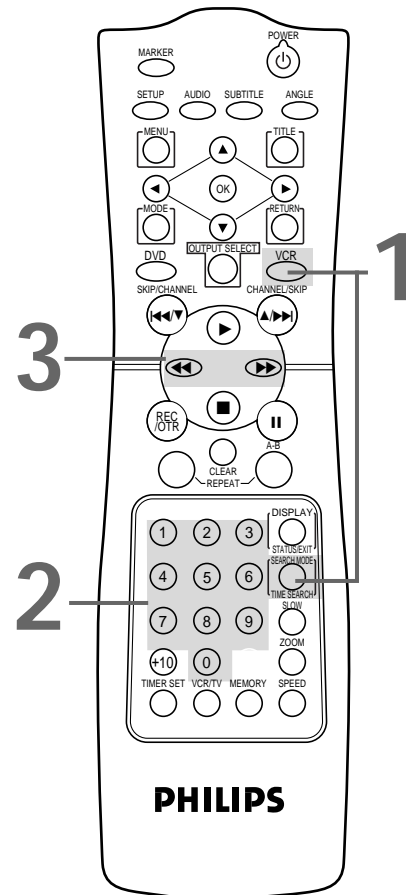


# 2

Within 10 seconds, use the Number buttons to enter the desired length of time you want to skip forward or backward. For example, for 1 hour, 25 minutes, press Number buttons 1, 2, 5. Or, for five minutes, press Number buttons 0, 0, 5.

# 3

Within 10 seconds, press the Fast Forward ►► button or the Rewind ◄◄ button. The DVD/VCR will skip over the specified length of time, then begin playback.



### Helpful Hints

- If you want to search for more than 59 minutes, you must enter the length of time in hours and minutes. For example, to search forward 70 minutes, press 1,1,0 at step 2.
- You can not do a Time Search while recording.
- To remove the Time Search display, press the SEARCH MODE/TIME SEARCH button again.
- To cancel a Time Search that is in progress, press the Stop ■ button.
- If the end of the tape is reached during a Time Search, the Time Search will be cancelled. The DVD/VCR may rewind the tape. Details are on page 45.



## 44 Special Effects Playback

### VCR

- Before you begin, press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

### Forward and Reverse Searching (SP/LP/SLP)

1

During tape playback, press and release the Fast Forward ►► button or the Rewind ◀◀ button. A fast forward or reverse picture search will begin.

2

To return to playback, press the Play ► button.

### Super High Speed Searching (LP/SLP)

1

During tape playback, press the Fast Forward ►► button or the Rewind ◀◀ button, then press again. The DVD/VCR will now search in super high speed. Repeatedly pressing the Fast Forward ►► or Rewind ◀◀ button will switch between regular and high speed searching.

2

To return to normal playback, press the Play ► button.

### Viewing a Still Picture

1

During tape playback, press the Pause ■■ button. A still picture will appear on the screen.

2

To release the still picture and return to playback, press the Play ► button or press the Pause ■■ button again.

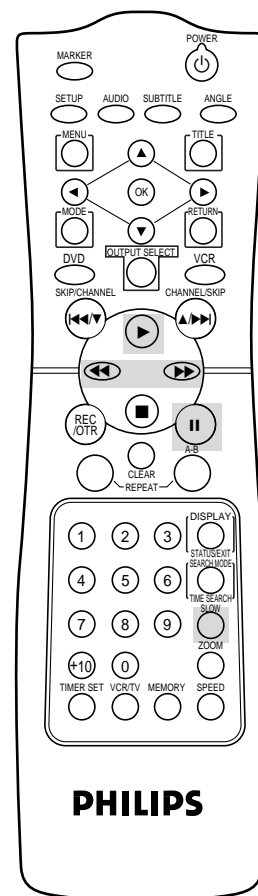
### Viewing a Slow Motion Picture

1

During tape playback, press the SLOW button. The tape will play in slow motion.

2

To release Slow mode and return to normal playback, press the Play ► button or press the SLOW button again.



### Helpful Hints

- Slow and Still modes will automatically switch to Stop mode after five minutes to protect the DVD/VCR and the tape from damage.
- SP/LP/SLP means this feature will work with tapes recorded in Standard Play, Long Play, or Super Long Play.
- LP/SLP means this feature will work with tapes recorded in Long Play or Super Long Play. For details about tape speed, see pages 38 and 86.



## Automatic Operation Features 45

### VCR

The following tape playback features are available in VCR mode.

#### Automatic Playback

When you put a tape in the DVD/VCR, the power will come on automatically. If the tape's record tab is missing, playback will begin. If a timer recording is set and the TIMER SET light is flashing, the power will not come on automatically when you insert a tape with the record tab intact.

If a timer recording is set and the TIMER SET light is flashing, the DVD/VCR will eject the tape if the record tab is missing.

#### Automatic Rewind, Eject

When a tape is played, fast forwarded, or recorded to its end, the DVD/VCR will rewind the tape, stop, then eject the tape. If REPEAT PLAY is ON, the DVD/VCR will not eject the tape automatically. The tape will begin to play again. *Details are on page 41.*

If the real-time counter memory is set, the DVD/VCR will only rewind the tape to the point at which the counter is set to zero, then stop. The DVD/VCR will not eject the tape automatically.

#### Tape Eject

A tape can be ejected with the DVD/VCR power on or off (but the DVD/VCR must be plugged in).

If a timer recording is set and the TIMER SET light is on or flashing, the tape cannot be ejected. To eject the tape, you must first press the TIMER SET button to cancel the timer recording, then press the STOP/EJECT button to remove the tape. To reset the timer recording, insert a tape, then press the TIMER SET button.

#### Automatic Tracking Adjustment

The DVD/VCR adjusts tracking automatically to give you the best possible picture quality. With some recordings, however, you may get a better picture using the manual tracking controls (see below).

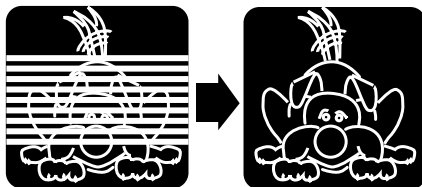
#### Manual Tracking

To manually adjust the tracking during normal playback and slow motion playback, press the CHANNEL ▲/▼ buttons **on the DVD/VCR**. (The CHANNEL ▲/▼ buttons on the remote control will not adjust tracking.)

Tracking will return to Automatic Tracking Adjustment when you press the Stop ■ button or insert a tape.

You cannot manually adjust the tracking of a Still picture. However, you may press the CHANNEL ▲/▼ buttons **on the front of the DVD/VCR** to remove vertical jitter in a Still picture.

Before  
Tracking  
Adjustment



After  
Tracking  
Adjustment

## 46 MTS (Multi-Channel Television Sound) System

### VCR

Your DVD/VCR can play recordings broadcast in Hi-Fi (high fidelity) stereo, which produces a crisp, clear sound from two sources. Your DVD/VCR also can play tapes recorded in a second audio (usually, that means your program is recorded in a second language). Of course, your DVD/VCR will play tapes recorded in monaural (single-source) sound as well.

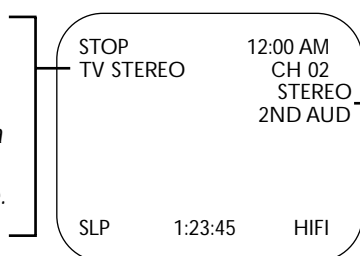
Your DVD/VCR also will record in Hi-Fi stereo or in second audio, so when you play back that tape on the DVD/VCR, it will be in stereo or second audio.

Read the directions on this page to familiarize yourself with your DVD/VCR's stereo and second audio setups. Then follow the directions on page 47 to record in stereo or second audio and the directions on page 48 to play tapes recorded in Hi-Fi stereo.

### Understanding On-Screen Displays

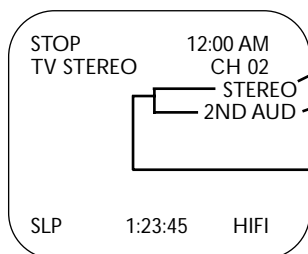
When you receive a signal from a channel you're watching, portions of the on-screen display shown below will appear when you press the DISPLAY/STATUS/EXIT button on the remote control.

*The indication 2ND AUD or TV STEREO that appears on this side of the status display tells you if your DVD/VCR is programmed to receive a second audio or stereo broadcast. It cannot receive both at the same time.*

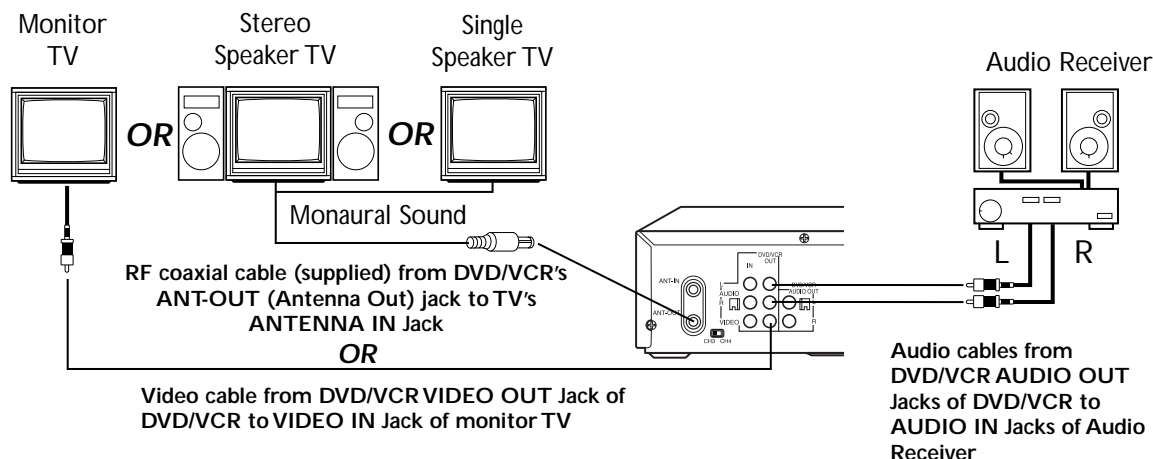


*The indication 2ND AUD or STEREO that appears on this side of the status display tells you if the program you're watching is available in second audio or stereo. This indication is not available during tape playback.*

Specifically...



To record and play programs in stereo, even if you have a single-speaker TV, use one of the connections shown, then follow the steps on pages 47-48.



## MTS (Multi-Channel Television Sound) System (cont'd) 47

### VCR

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select TUNER SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ AUTO PROGRAMMING  
ADD/DELETE CH  
CH MEMORY REVIEW ON  
TV STEREO  
2ND AUDIO

TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select TV STEREO or 2ND AUDIO. Then, press the Fast Forward ►► button. ON will appear to the right of your selection.

SELECT ▲▼ CHOOSE ►

AUTO PROGRAMMING  
ADD/DELETE CH  
CH MEMORY REVIEW  
TV STEREO ON  
→ 2ND AUDIO

TO END PUSH EXIT

# 4

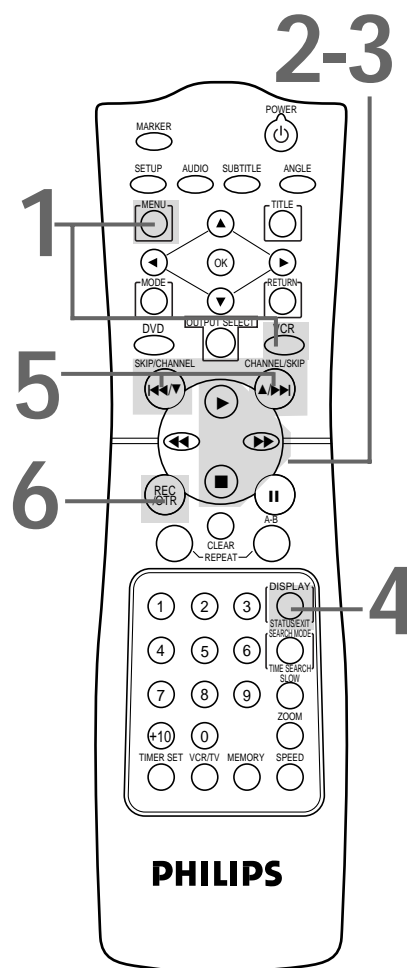
Press the DISPLAY/STATUS/EXIT button.

# 5

To record, select the channel to be recorded using the CHANNEL ▲/▼ buttons, then go to step 6.

# 6

Press the REC(ord)/OTR button to start recording.



### Helpful Hints

- You can only receive and record in stereo or second audio programs that are broadcast in stereo or second audio. You can only play in stereo or second audio tapes that were recorded in stereo or second audio. Please see page 46 to determine if the program you want to watch/record is being broadcast in stereo or second audio.
- If you select second audio when second audio is not available, the DVD/VCR will record normal audio.

## 48 Hi-Fi Stereo Sound System

### VCR

Multi-Channel Television Sound system broadcasts are automatically recorded in Hi-Fi stereo sound. To play in Hi-Fi stereo the tapes recorded in Hi-Fi stereo, however, you'll need to follow steps 1-5.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select VCR SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY OFF  
ON SCREEN MODE  
AUDIO OUT  
LANGUAGE  
BLUE BACKGROUND ON

TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select AUDIO OUT, then press the Fast Forward ►► button.

SELECT ▲▼

→ HIFI ON  
MONO

TO END PUSH EXIT

# 4

Press the Play ► button or the Stop ■ button to select HIFI. ON will appear to the right of HIFI on the screen.

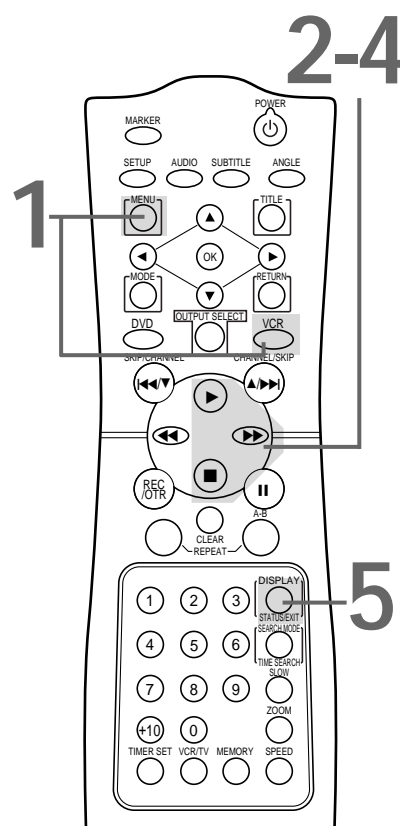
SELECT ▲▼

→ HIFI ON  
MONO

TO END PUSH EXIT

# 5

Press the DISPLAY/STATUS/EXIT button.



### Helpful Hints

- Normally, HIFI should be selected from the AUDIO OUT menu for playback with Hi-Fi sound. But, you can change the selection to MONO if you want monaural audio playback. To do this, follow steps 1-3. At step 4, press the Play ► button or the Stop ■ button to select MONO. Press the DISPLAY/STATUS/EXIT button. HIFI will disappear from the status display.
- All programs are automatically recorded in both Hi-Fi stereo sound and in monaural sound.
- The audio level of a tape recorded in Hi-Fi stereo will differ from the audio level of a tape not recorded in Hi-Fi stereo.
- If you play non-Hi-Fi tapes while the DVD/VCR is set to HIFI, HIFI will disappear from the status display and the tape will play in monaural sound.

Please see additional notes on page 83.

## Blue Background 49

### VCR

If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to ON. The screen will be blue and the sound will be muted.

Or, if you want to receive the weak signal, set BLUE BACKGROUND to OFF. When you select a channel that is receiving a weak signal, you will see and hear the static in the TV programming. The channel number will not appear on the screen when you select a weak channel.

To set BLUE BACKGROUND to ON or OFF, follow these steps.

- Before you begin, place the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.

# 1

Press the VCR button, then press the MENU button.

SELECT ▲▼ CHOOSE ►

→ PROGRAM  
VCR SET UP  
TUNER SET UP  
SET CLOCK

TO END PUSH EXIT

# 2

Press the Play ► button or the Stop ■ button to select VCR SET UP, then press the Fast Forward ►► button.

SELECT ▲▼ CHOOSE ►

→ REPEAT PLAY OFF  
ON SCREEN MODE  
AUDIO OUT  
LANGUAGE  
BLUE BACKGROUND ON

TO END PUSH EXIT

# 3

Press the Play ► button or the Stop ■ button to select BLUE BACKGROUND. Then, press the Fast Forward ►► button repeatedly so that OFF (or ON) appears beside BLUE BACKGROUND.

SELECT ▲▼ CHOOSE ►

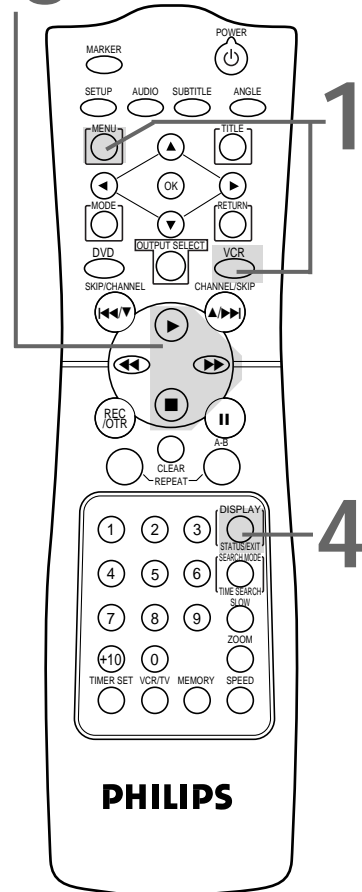
REPEAT PLAY OFF  
ON SCREEN MODE  
AUDIO OUT  
LANGUAGE  
→ BLUE BACKGROUND ON

TO END PUSH EXIT

# 4

Press the DISPLAY/STATUS/EXIT button.

# 2-3



## 50 Playing a Disc

DVD

AUDIO CD

- Before you begin, turn on the power of the TV, audio receiver and any other equipment connected to the DVD/VCR. Make sure the TV and the audio receiver (if applicable) are set to the correct channel. *Details are on pages 8-14.*

1

**Press the POWER button to turn on the DVD/VCR.** "P-ON" will appear briefly on the display panel.

2

**Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.** Then, press the DVD button.

3

**Press the OPEN/CLOSE button on the front of the DVD/VCR to open the Disc tray.**

4

**Place a Disc into the tray.** Make sure the Disc is sitting properly in the correct recess.

Some DVDs are recorded on both sides. Make sure the side you want to play is facing up. Or, if the DVD is recorded on only one side, place the Disc in the tray with the label facing up.

5

**Press the Play ► button.** The tray will close automatically, and playback will begin at the first Chapter or Track of the Disc. Or, you may press the OPEN/CLOSE button or press the tray toward the DVD/VCR to close the tray; DVD playback will start automatically.

If a DVD menu appears instead, *details are on page 51.*

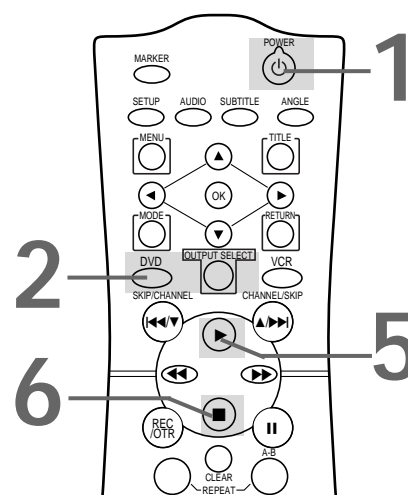
With some Audio CDs, playback will not begin unless you press the Play ► button.

6

**Press the Stop ■ button to stop playback.** If disc playback is stopped for more than five minutes, a screen saver will appear. *Details are on page 81.*

3 Press the OPEN/CLOSE button on the DVD/VCR.

4 Insert a Disc.



### Helpful Hints

- An "X" may appear at the top right corner of the TV screen when you try a feature. Either the feature is not available on the Disc, or the DVD/VCR can not access the feature at this time. This does not indicate a problem with the DVD/VCR.
- If a Disc is dirty or scratched, the pictures may appear distorted and playback may stop. Remove the Disc and turn off the DVD/VCR. Disconnect the power cord, then reconnect it. Clean the Disc, then turn on the DVD/VCR again and reinsert the Disc for playback.
- When the DVD or CD light appears on the display panel, the Disc is loaded completely and is ready for playback.
- When you press the OPEN/CLOSE button or the DVD PLAY button on the front of the DVD/VCR when the power is off, the DVD/VCR will turn on automatically and will be in DVD mode.

**Remember, this DVD/VCR will play only certain Discs. See page six for details.**

## Disc Menus 51

### DVD

#### Using the DVD Menus

Some DVDs contain menus that describe the contents of the Disc or allow you to customize Disc playback. For example, the menu may offer choices for subtitle languages, special features, or scene selection. To use the DVD menu and select playback features, follow these steps.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

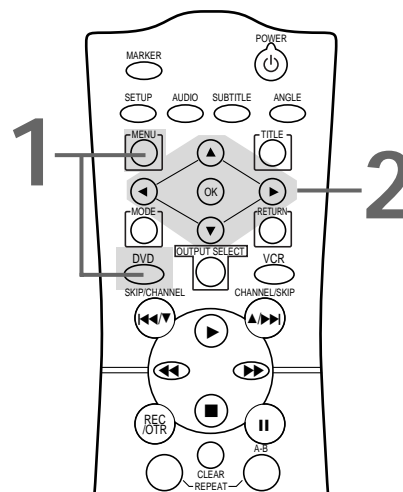
# 1

Press the DVD button, then press the MENU button. The DVD's main menu will appear.

# 2

Press the Arrow buttons ▲ ▼ ◀ ▶ to select an item, then press the OK button. Continue this process to set up all the features you wish to see on the Disc.

To access the DVD's Main Menu...




#### Using the Title Menu

Some DVDs have a Title Menu, which lists the Titles available on the Disc. Use the Title Menu to start playback at a specific Title.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

# 1

Press the DVD button, then press the TITLE button. The Title Menu will appear.

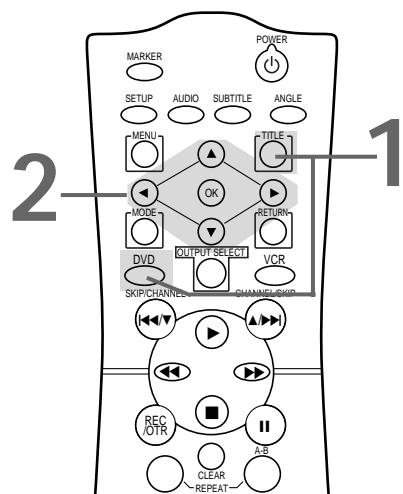
If a Title menu is not available, the  symbol may appear on the TV screen. Or, if the DVD only has a main menu, it may appear when you press the TITLE button.

# 2

Press the Arrow buttons ▲ ▼ ◀ ▶ to select the desired Title, then press the OK button.

Playback will begin at the Title you selected.

To access the DVD's Title Menu...



### Helpful Hints

- Menus may vary among Discs. Refer to the information accompanying the Disc for details.
- Not all DVDs have Title menus.
- Some DVDs may refer to Chapters as "scenes." Some DVDs may refer to the Title Menu as the "scene index."


## 52 Pausing Playback


DVD

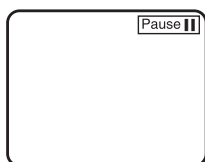
AUDIO CD

### Pausing Playback

1

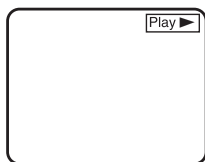
During disc playback, press the DVD button, then press the Pause  button on the remote control. Playback will pause and the sound will be muted.

If you press the Pause  button repeatedly during DVD playback, the picture will advance one frame at a time with each button press.

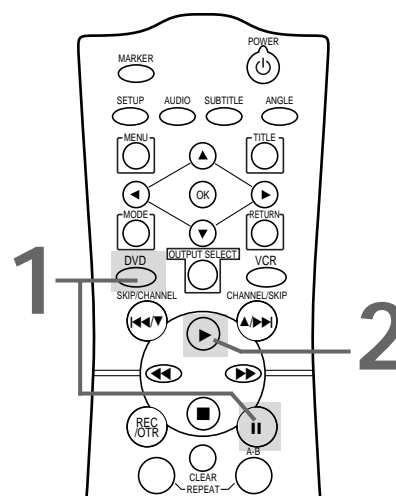


2

Press the Play  button to resume playback.




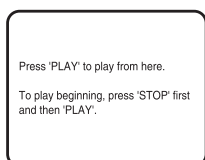
Pausing Playback...




### Resuming playback

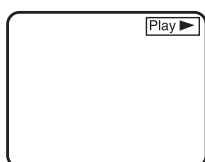
1

Press the DVD button, then press the Stop  button during disc playback. In a few seconds, the following Resume message will appear on the TV screen.

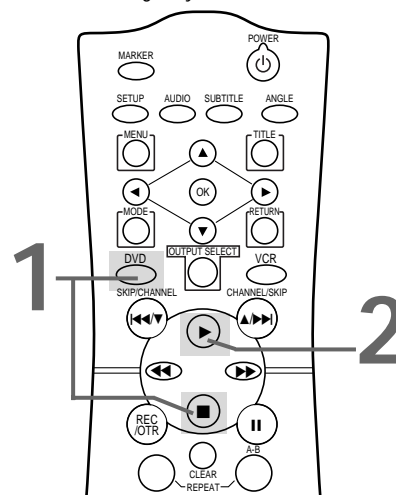


2



Press the Play  button. In a few seconds, playback will resume from the point at which playback stopped last.



Resuming Playback...



#### Helpful Hint


- To cancel resume playback and start playing the disc from the beginning, press the Stop  button a second time while playback is stopped. Resume Off will appear briefly at the top right corner of the TV screen. Press the Play  button to start playing the disc from the beginning.

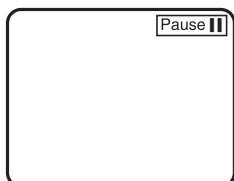


## Step by Step Playback 53


DVD



# 1

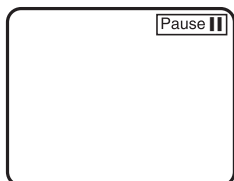
During DVD playback, press the **DVD** button, then press the **Pause**  button to pause playback. The sound will be muted.



# 2


Press the **Pause**  button repeatedly to see the picture advance one frame (or step) at a time.

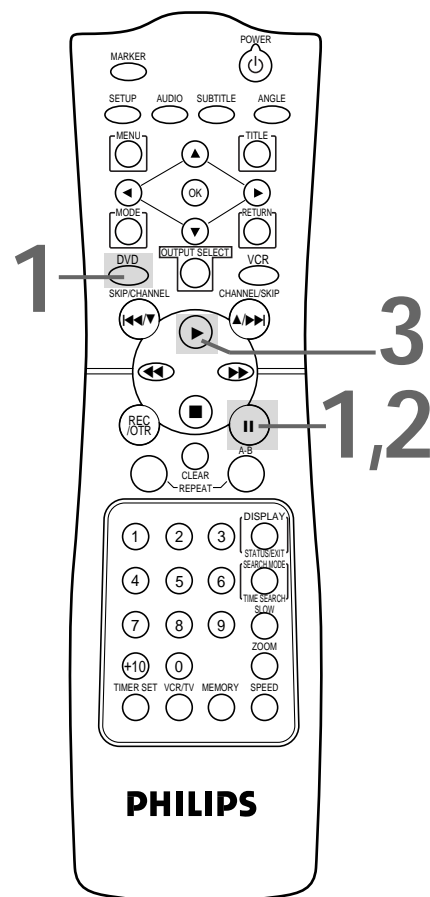
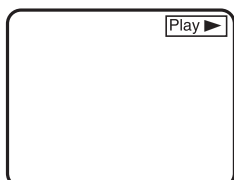
The sound will remain muted. **Pause**  will appear briefly on the screen each time you press the **Pause**  button. (On Screen Info must be On. Details are on pages 74-75.)



# 3

Press the **Play**  button to resume playback.

**Play**  will appear briefly on the screen. (On Screen Info must be On. Details are on pages 74-75.)



## 54 Fast Forward/Reverse Search

DVD

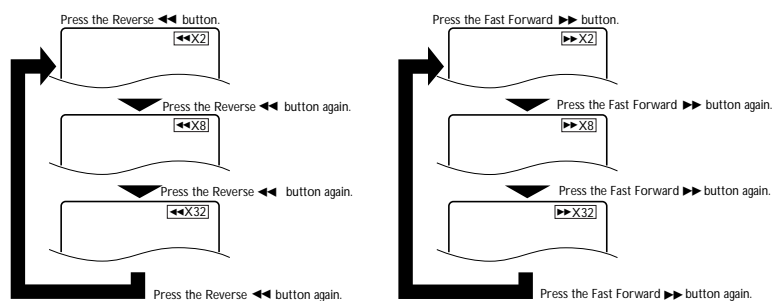
AUDIO CD

- Before you begin, place the DVD/VCR in DVD mode. Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

# 1

During playback, press the DVD button, then press the Fast Forward ►► button or the Rewind ◀◀ button on the remote control.

- On a DVD, pressing the Fast Forward ►► or Rewind ◀◀ button repeatedly will forward or reverse the picture at twice, eight times, or 32 times the normal playback speed. Sound will be muted during searching.
- Use the Fast Forward ►► button for a forward search. Press the Rewind ◀◀ button for a reverse search.



- On an Audio CD, you may search forward or backward at 16 times the normal playback speed (◀◀X16 or ►►X16). Pressing the Fast Forward ►► or Rewind ◀◀ button repeatedly will not affect the speed of the search. Sound will be intermittent during searching on an Audio CD.
- Use the Fast Forward ►► button for a forward search. Press the Rewind ◀◀ button for a reverse search.

Press the Reverse ◀◀ button during Audio CD playback.

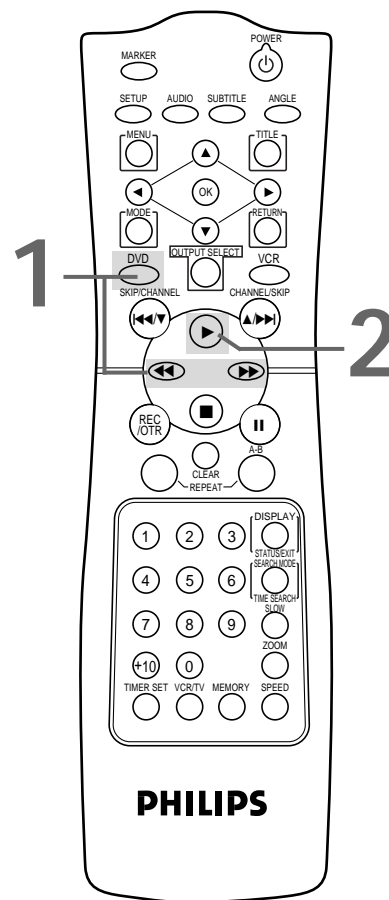


Press the Fast Forward ►► button during Audio CD playback.



# 2

Press the Play ► button to return to normal playback.



**PHILIPS**

### Helpful Hint

- To see the search speed on the TV screen, On Screen Info must be On. Details are on pages 74-75.

## Slow Motion 55

DVD

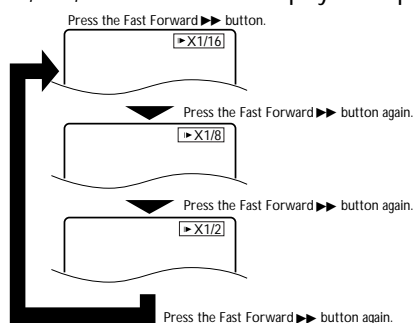
# 1

Press the DVD button, then press the Pause ■■ button during playback.

# 2

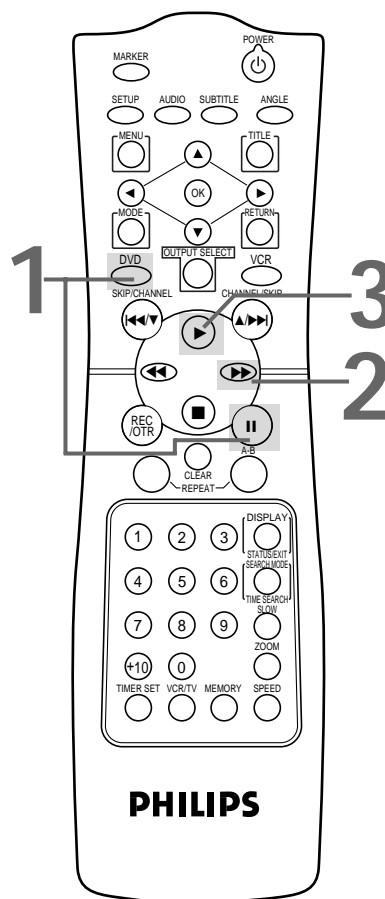
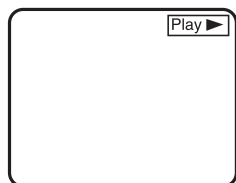
Press the Fast Forward ►► button. Slow motion playback will begin.

Press the Fast Forward ►► button repeatedly during slow motion playback to vary the speed of slow motion playback. You may play the DVD at 1/16, 1/8, or 1/2 the normal playback speed.



# 3

Press the Play ► button to return to normal playback.



### Helpful Hints

- The sound will be muted when playback is paused and during slow motion playback.
- You can not play the DVD in reverse slow motion.

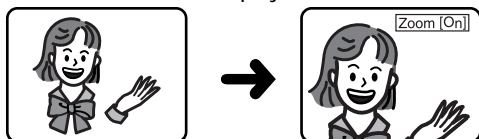
## 56 Zoom Playback

### DVD

You can enlarge the DVD picture during playback. The picture will be four times larger than normal.

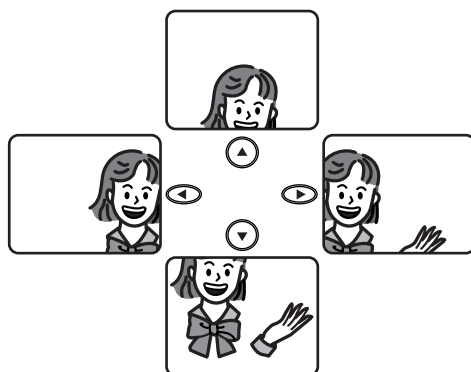
# 1

Press the **ZOOM** button during playback. The enlarged picture will continue to play.



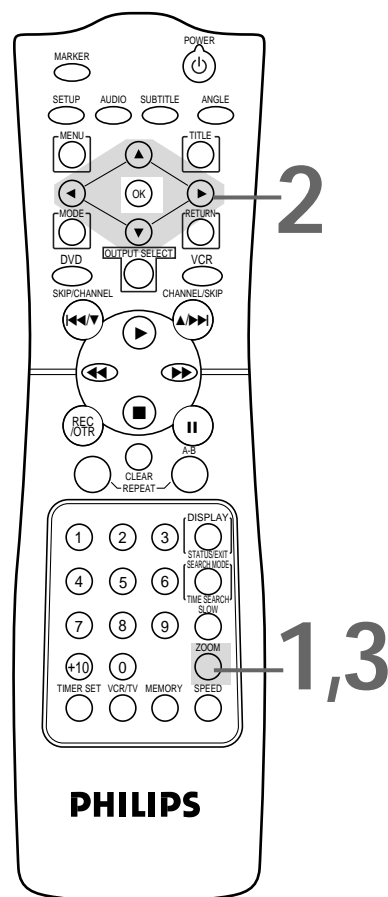
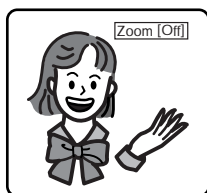
# 2

Press the Arrow buttons **▲▼◀▶** to move the zoomed image left, right, up, and down.



# 3

To return the picture to its normal size, press the **ZOOM** button again.



### Helpful Hints

- Zooming is not possible when you access the DVD Player's display screen. Details are on page 69.
- To see Zoom [On] or Zoom [Off] on the TV screen, On Screen Info must be On. Details are on pages 74-75.

## Track Playback 57

### AUDIO CD

#### Starting Playback at a Specific Track

There are three ways to begin playback on an Audio CD at a specific Track: Use the Number buttons, the SEARCH MODE button, or the SKIP **◀◀▶▶▶▶** buttons. For details, read the information below.

- Before you begin, place the DVD/VCR in DVD mode.

Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

### A

#### Using the Number Buttons to Select a Track

During playback or when playback is stopped, press the DVD button, then press the Number buttons to enter the desired Track number. Playback will start at the selected Track.

For single-digit Tracks (1-9), press a single Number button. For example, to play Track three, press the Number 3 button.

For Tracks 10 and above, press the +10 button so that the Search display appears on the TV screen. Then press the Number button of the first digit, then press the Number button of the second digit.

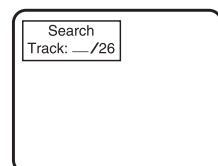
For example, to play Track 26, press the +10 button, then press the Number 2 button, then press the Number 6 button.

If you enter a Track number that is not available on the Disc, playback will not begin (or the current Track will continue to play). An "X" will appear in the top right corner of the TV screen.

### B

#### Using the SEARCH MODE Button to Select a Track

Press the DVD button, then press the SEARCH MODE button once so that the Track Search display appears. Within 30 seconds, press the Number buttons to select the Track number you desire. Playback will begin at the selected Track. For a single-digit Track (1-9), enter a zero first. For example, to play Track 5, press 0, 5.



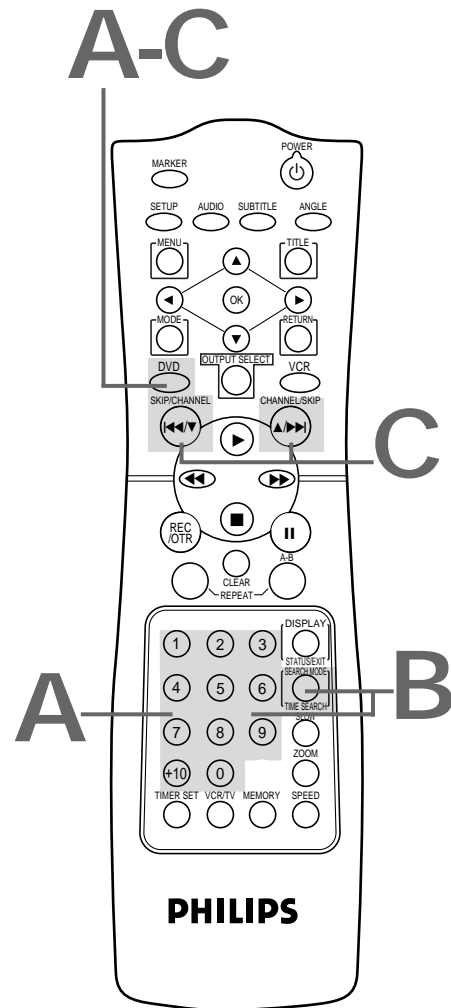
### C

#### Using the SKIP **◀◀▶▶▶▶** Buttons to Select a Track

Press the DVD button, then press the SKIP **▶▶▶▶** button during playback to skip the current Track and move to the next Track. Press the SKIP **▶▶▶▶** button repeatedly to skip subsequent Tracks. The Track number will appear briefly on the DVD/VCR display panel.

Press the SKIP **◀◀** button during playback to return to the beginning of the current Track. Press the SKIP **◀◀** button repeatedly to go to previous Tracks. The Track number will appear briefly on the DVD/VCR display panel.

If you press a SKIP button when playback is paused, the selected Track will begin playing automatically.



#### Helpful Hints

- The SKIP buttons are not active when playback is stopped.
- You can not use the SKIP **▶▶▶▶** button to go from the last Track on the disc to the first Track.

## 58 Title/Chapter Playback

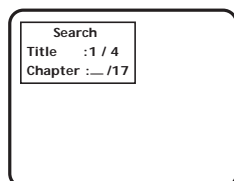
### DVD

#### Starting Playback at a Specific Title/Chapter

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

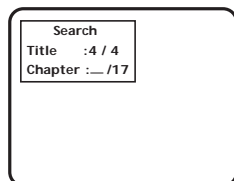
# 1

With a DVD in the DVD/VCR, press the **DVD** button, then press the **SEARCH MODE** button so that the Title/Chapter Search display appears on the TV screen.



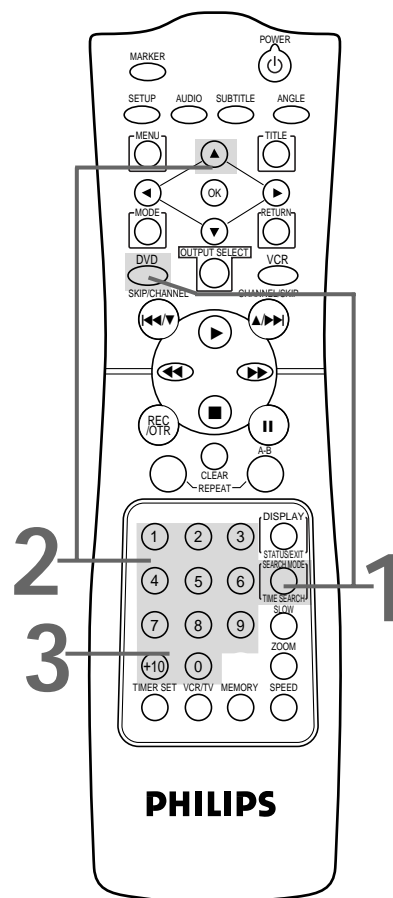
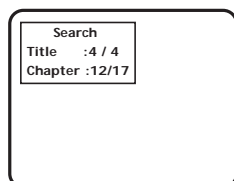
# 2

To select the Title, press the **Arrow ▲** button to select the Title space, then press the **Number** buttons to enter the Title number. The bar will move to Chapter automatically.



# 3

To select the Chapter, press the **Number** buttons to enter the Chapter number. The DVD/VCR will begin playback at the selected Chapter.



### Helpful Hints

- Title/Chapter playback is not available with some DVDs.
- During DVD playback, press the **SKIP** buttons to go to the next chapter, return to the beginning of the current chapter, or go to a previous chapter.

## Specific Time Playback 59

DVD

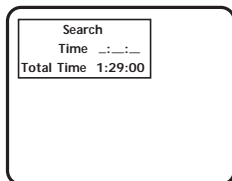
AUDIO CD

### Starting Playback at a Specific Disc Time

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

1

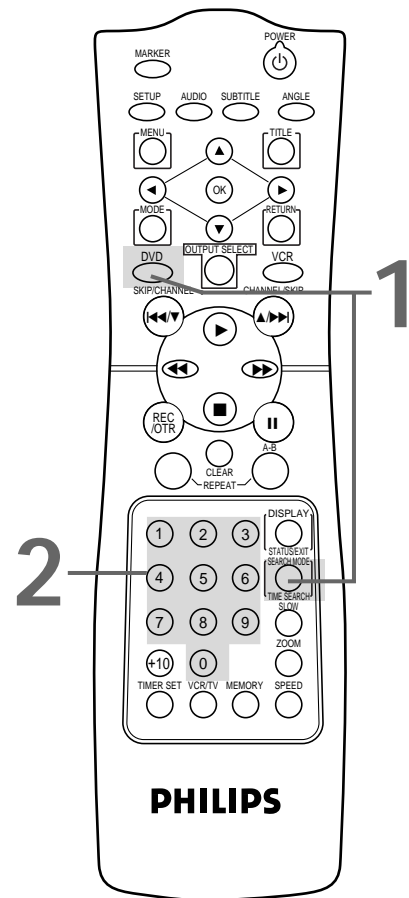
During playback, press the DVD button, then press the SEARCH MODE button repeatedly so that the Time Search display appears on the TV screen.



2

Within 30 seconds, use the Number buttons to enter the Disc time at which you want playback to begin. Within a few seconds, playback will start at the specified time.

- Example: 1 hour, 23 minutes and 30 seconds  
1 → 2 → 3 → 3 → 0
- Make sure the time you enter is within the total time of the Title or Track. If it is not, "X" will appear on the screen. Playback will continue at its current point.
- If you make a mistake, press the CLEAR button. Then, enter the correct information.



PHILIPS



## 60 Repeat Playback (Discs)

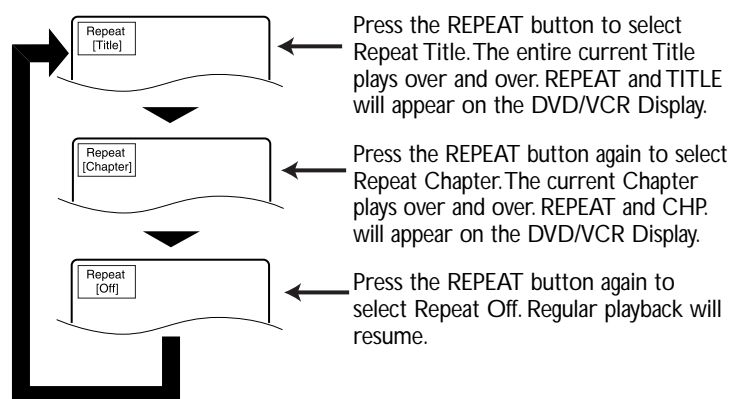
- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

# 1

During disc playback, press the DVD button, then press the REPEAT button repeatedly until the repeat mode you want appears in the top left corner of the TV screen.

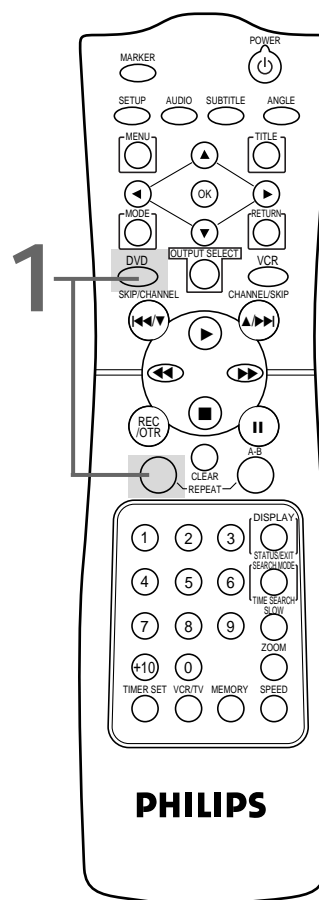
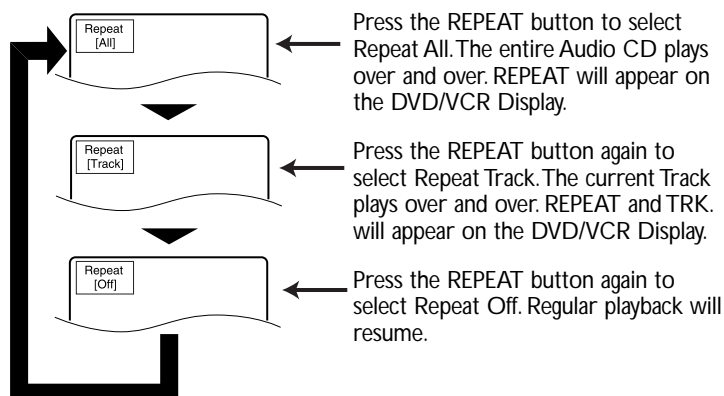
### DVD

- Repeatedly pressing the REPEAT button during playback lets you choose Repeat Title, Repeat Chapter, or Repeat Off.
- Selecting a new Chapter or Title will cancel repeat playback.



### AUDIO CD

- Repeatedly pressing the REPEAT button during playback lets you choose Repeat All, Repeat Track, or Repeat Off.
- Selecting a new Track will cancel repeat playback.



### Helpful Hint

- Repeat playback is not available with some discs.

## A-B Repeat Playback (Discs) 61

DVD

AUDIO CD

You can play a section of an Audio CD or DVD repeatedly. Follow these steps to set up the section that you want to play over and over.

- Before you begin, place the DVD/VCR in DVD mode. Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

1

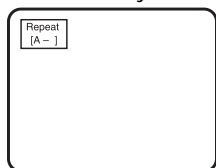
Press the DVD button.

2

Press the Play ► button to play the Disc to the point at which you want repeated playback to begin.

3

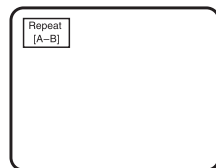
Press the A-B REPEAT button to set the starting point (A). Repeat A will appear on the DVD/VCR's display panel and on the TV screen briefly.



4

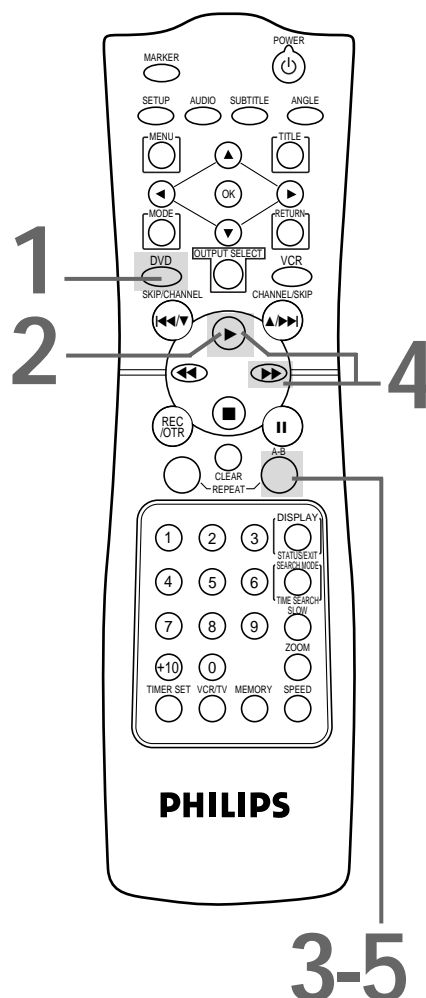
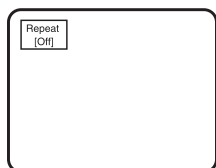
Play or fast forward the Disc to the point at which you want repeated playback to end, then press the A-B REPEAT button again.

Within a few seconds, the section will begin to play. The segment will play over and over until you cancel the A-B Repeat feature. REPEAT A-B will appear on the DVD/VCR's display panel and on the TV screen briefly.



5

To cancel A-B Repeat Playback, press the A-B REPEAT button so that Repeat [Off] appears on the TV screen. Regular Disc playback will resume.



### Helpful Hints

- A-B Repeat playback is not available with some DVDs.
- With DVDs, the entire A-B repeat section must be within a single Title.
- With Audio CDs, the entire A-B repeat section must be within a single Track.
- Point B must be later on the Disc than Point A.
- Pressing the Stop ■ button will cancel A-B Repeat Playback.

## 62 Programmed Playback

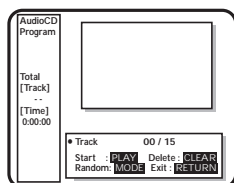
### AUDIO CD

You may determine the order in which Tracks will play. The order that you set is called the Program. To set up programmed playback, follow these steps.

- Before you begin, place the DVD/VCR in DVD mode. Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

# 1

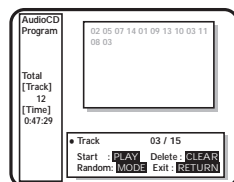
While playback is stopped, press the DVD button, then press the MODE button. The program screen will appear.



# 2

Press the Number buttons to enter the number of the first Track that you want to play.

- If you enter a wrong Track number, press the CLEAR button. The last Track in the Program will be removed.
- Enter single-digit Tracks with a single Number button. For example, for Track three, press the Number 3 button.
- For Tracks 10 and above, press the +10 button, then the Number button for the first digit, then the Number button for the second digit. For example, to play Track 26, press the +10 button, then press the Number 2 button, then press the Number 6 button.



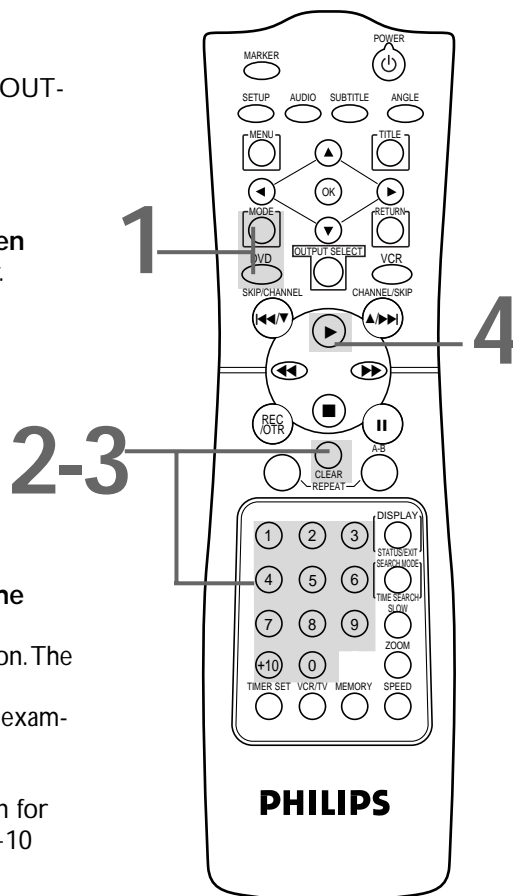
# 3

Repeat step 2 until you have selected all the Tracks you wish to play in the Program.

- Make sure the Track numbers you enter are available on the Audio CD.

# 4

Press the Play ► button. The Tracks will play in the order in which you programmed them. The Program will play once. When programmed playback ends, the Program will be erased. Turning off the Player or opening the disc tray also will erase the Program.



### Helpful Hints

- You can not combine specific track and random playback with programmed playback.
- You may play a Program repeatedly. During programmed playback, press the REPEAT button so that Repeat [All] or Repeat [Track] appears. The entire program or the current Track will play over and over.
- To see which Tracks you stored in the Program, press the DISPLAY/STATUS/EXIT button during playback.

## Random Playback 63

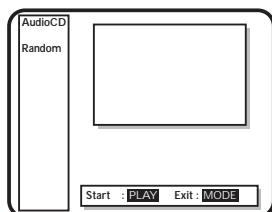
### AUDIO CD

You may play the Tracks of an Audio CD in Random order instead of the order in which they are recorded (1,2,3...). To set up Random Playback, follow these steps.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

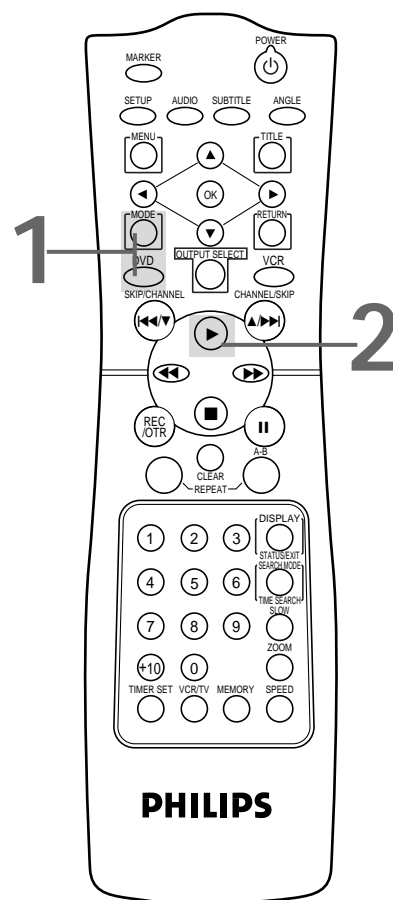
# 1

While playback is stopped, press the DVD button, then press the MODE button twice so that the RANDOM screen appears.



# 2

While the RANDOM screen appears, press the Play ► button. The Tracks will play in random order. After all the Tracks on the disc have played once, playback will stop.



## 64 Audio Language

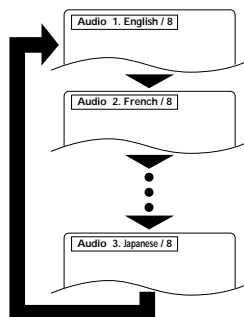
The DVD/VCR allows you to select a language for DVDs during playback. You can change the language only if multiple languages are available on the DVD.

- Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

DVD

1

Press the DVD button, then press the AUDIO button during playback so the audio display appears in the top left corner of the TV screen. Press the AUDIO button repeatedly until you select your desired language.



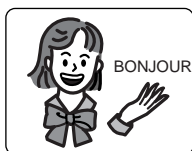
Press the AUDIO button.

Press the AUDIO button again.

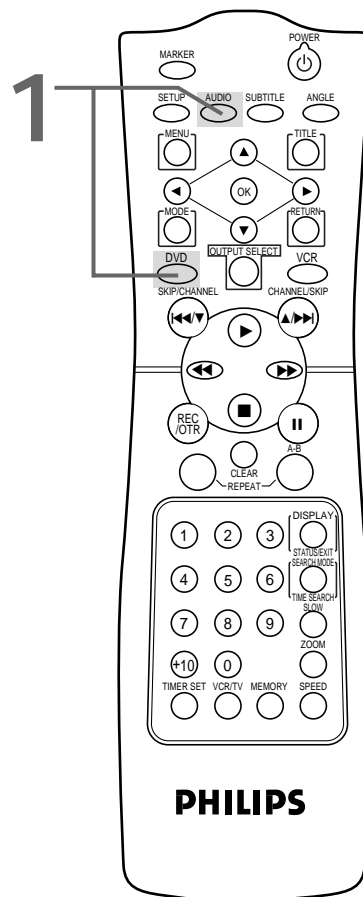
Press the AUDIO button repeatedly to see and hear all the available languages. The number of available languages appears at the right of the audio display. In this example, eight languages are available ( /8).



AUDIO 1



AUDIO 2



### Helpful Hints

- If a desired language is not available after pressing the AUDIO button several times, the DVD does not have that language.
- The display will disappear after about five seconds.
- Some DVDs only allow you to change the language in the Disc menu.

## Subtitle Language 65

### DVD

The DVD/VCR allows you to select a language for subtitles during playback. You may select only the languages that are available on the Disc.

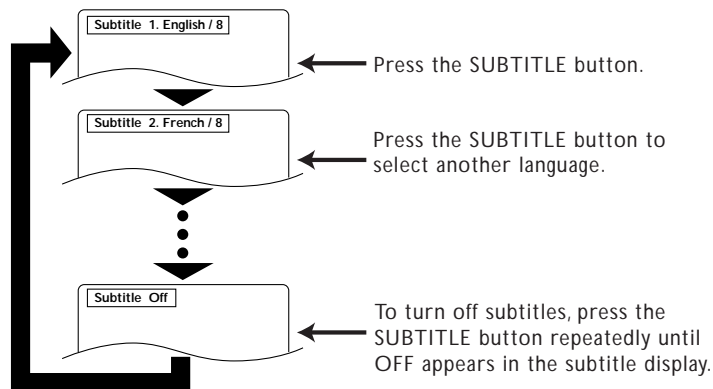
- Before you begin, place the DVD/VCR in DVD mode. Press the **OUTPUT SELECT** button so that the red **DVD OUTPUT** light appears on the front of the DVD/VCR.

# 1

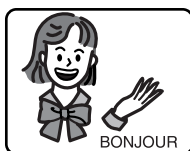
Press the **DVD** button, then press the **SUBTITLE** button during playback so that the subtitle display appears on the TV screen.

# 2

Within five seconds, press the **SUBTITLE** button repeatedly to select a subtitle language. The number of available languages appears at the right of the subtitle display. In this example, eight languages are available ( / 8).



SUBTITLE 1

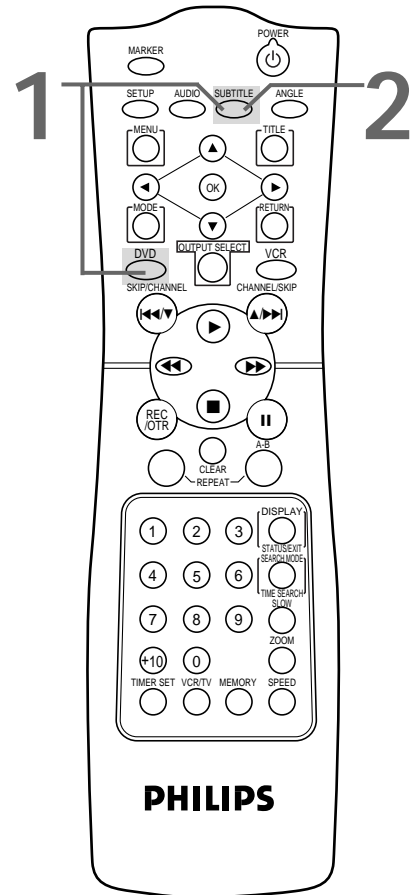


SUBTITLE 2



# 3

The subtitle display will disappear after about five seconds.



### Helpful Hints

- With some DVDs, you may select a subtitle language only in the Disc menu.
- If the desired language does not appear after pressing the **SUBTITLE** button several times, the Disc does not have subtitles in that language.
- The subtitles may be delayed for a few seconds.
- Opening the disc tray or turning off the DVD/VCR's power will cancel your subtitle setting. The default setting of the disc will be active again.
- When "Subtitle Not Available" appears on the TV screen, no subtitle is available for the current scene.

## 66 Camera Angles

### DVD

Some DVDs contain scenes that were recorded from different angles. You may select a camera angle with the DVD/VCR during playback.

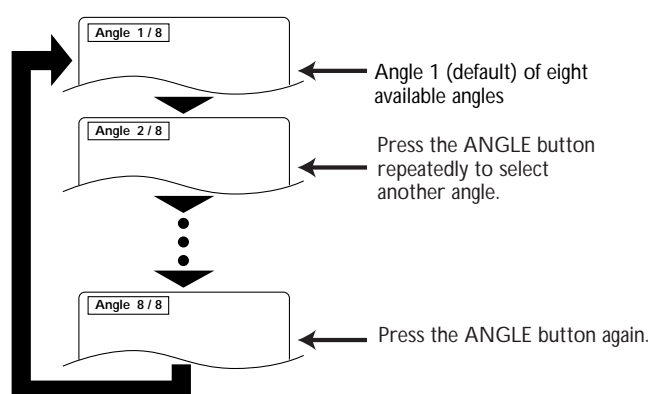
- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.


# 1

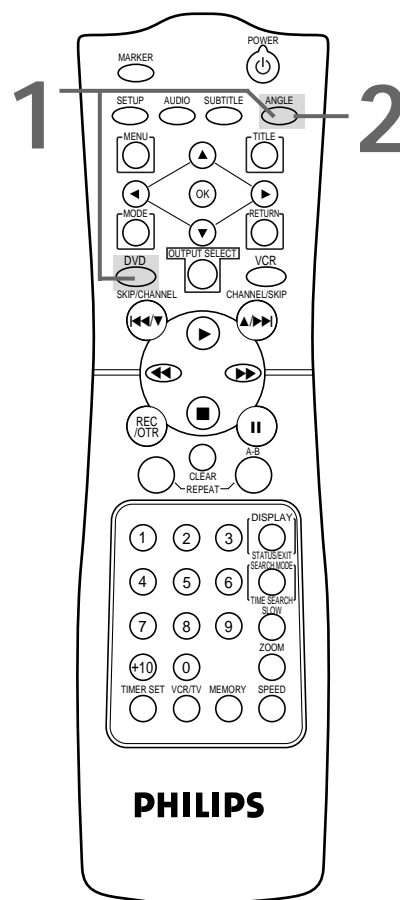
Press the DVD button, then press the ANGLE button during playback so that the Angle display appears in the top left corner of the TV screen.

# 2

Within five seconds, press the ANGLE button repeatedly to select a different angle. The number of available angles appears at the right of the Angle display. In this example, eight angles are available ( /8).



- If the Disc contains sequences recorded from different camera angles, the angle symbol  will appear at the top right corner of the screen. You can change the camera angle when the symbol appears on the screen.
- The camera angle will not change if the Disc does not contain sequences recorded from different camera angles.



### Helpful Hint

- Angle Icon must be On in order for the angle symbol to appear as described in step 2. To set Angle Icon to On, see pages 74-75.



## Parental Controls Password 67

### DVD

Parental Controls limits viewing of Discs that exceed the limits you set. Either playback will stop or you will have to enter a password before viewing. This feature will not limit viewing if the Disc maker did not code the Disc. So, make sure your Discs play according to your settings before you allow children access to the DVD/VCR. Follow the steps below to change your Parental Controls password.

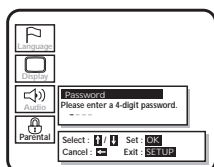
- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

# 1

While playback is stopped, press the DVD button, then press the SETUP button. The setup screen will appear.

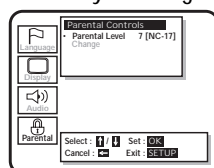
# 2

Press the Arrow ▲▼ buttons to select Parental. Then, press the OK button. The Setup/Parental Password menu will appear.



# 3

Press the Number buttons to enter a 4-digit password. The Parental Controls screen will appear. When doing this the first time, enter any four digits. That will be the password until you change it.



# 4

Press the Arrow ▲▼ buttons to select CHANGE. Then, press the OK button.

# 5

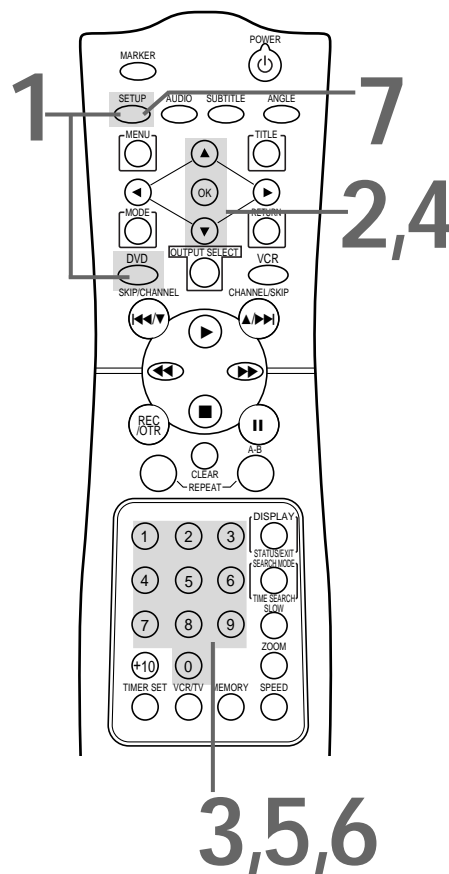
Press the Number buttons to enter your old password.

# 6

Press the Number buttons to enter a new 4-digit password. The Parental Controls screen will reappear, with Parental Level selected.

# 7

Press the SETUP button to remove the menu.



### Helpful Hints

- Write down the password in case you forget it.
- If you forget the password, you can restore the DVD Player's original settings. Remove the Disc from the DVD/VCR. Press the DVD button, then press Number buttons 1,2,3,4, then press the DISPLAY/STATUS/EXIT button. Information about the DVD Player will appear on the TV. Press the OK button. This restores the original settings of the DVD Player. You need to reset your DVD settings. This has no effect on the VCR settings of the DVD/VCR.

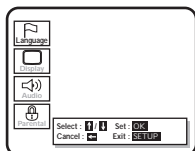
## 68 Parental Controls Levels

Follow these steps to set the rating level for your DVDs. Discs whose ratings exceed the level you set will not play.

- Before you begin, place the DVD/VCR in DVD mode. Press the **OUTPUT SELECT** button so that the red DVD **OUTPUT** light appears on the front of the DVD/VCR.

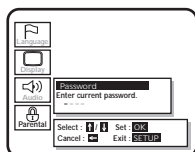
# 1

While playback is stopped, press the **DVD** button, then press the **SETUP** button. The setup screen will appear.



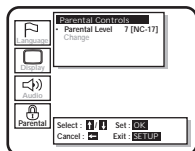
# 2

Press the **Arrow** **▲▼** buttons to select **Parental**. Then, press the **OK** button. The Setup/Parental Password screen will appear.



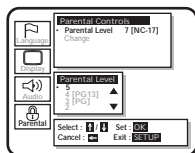
# 3

Press the **Number** buttons to enter your 4-digit password.



# 4

Press the **Arrow** **▲▼** buttons to select **Parental Level**. Then, press the **OK** button.

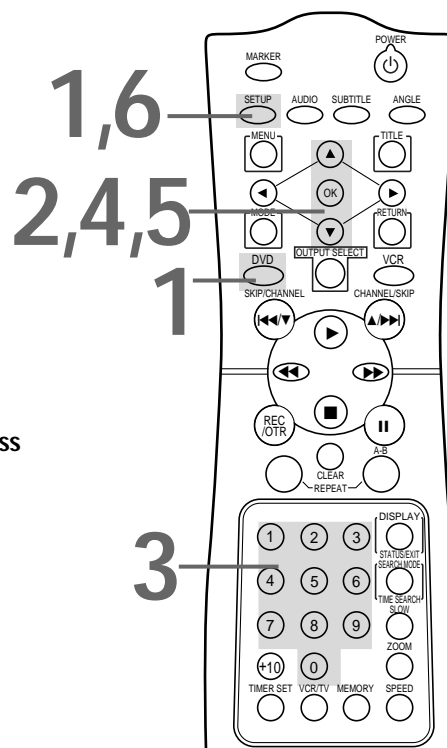


# 5

Press the **Arrow** **▲▼** buttons to select the level you desire, then press the **OK** button. For example, if you want to play Discs rated PG13, you must select Level 4 or higher. The level you select will appear on the screen beside **Parental Level**, beneath **Parental Controls** at the top of the screen.

# 6

Press the **SETUP** button to remove the menu.



### RATING EXPLANATIONS

- NC-17 - Under 17 not admitted
- R - Restricted; under 17 requires accompanying parent or adult guardian
- PG-13 - Unsuitable for children under 13
- PG - Parental Guidance suggested
- G - General Audience

### Helpful Hints

- Some DVDs are not compatible with Parental Lock. Make sure the DVD plays according to the Parental Lock settings you have made.
- You can not change Parental Controls settings until you enter the correct password.
- When you play a Disc whose rating exceeds the level you set, a message will appear on the screen, indicating the Disc cannot play. Eject the Disc, then select a level that allows playback. Or, select All to turn off Parental Controls. Load the Disc again and begin playback as usual. Some Discs may let you enter your 4-digit password, then begin playback. See the Disc for details.

## Display Screen (DVD) 69

### DVD

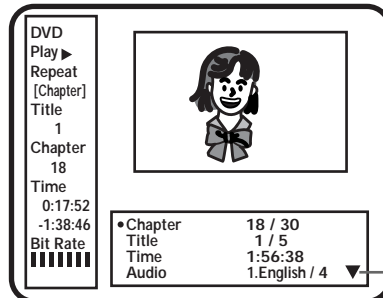
You can check information about the current DVD by pressing the DISPLAY/STATUS/EXIT button on the remote control. You can select or change Disc features using the Display Screen.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

### 1

Press the DVD button, then press the DISPLAY/STATUS/EXIT button repeatedly during playback to access or remove the Display Screen.

- Current type of disc
- Playback status
- Repeat status
- Current Title number
- Current Chapter number
- Elapsed playing time of current Title
- Remaining playing time of current Title
- Bit Rate display



- Current Chapter / Total Chapters in current Title
- Current Title / Total Titles on current Disc
- Total playing time of current Title
- Current settings of Audio, Subtitle, Angle, Marker, and SRS TruSurround

Indicates additional items are available if you press the Arrow button

### 2

To change a setting, press the Arrow ▲▼ buttons to select an item, then press the OK button.

### 3

**Chapter or Title:** Press the Number buttons to select the Chapter or Title you want. Playback will begin at the Chapter or Title you select.

**Time:** Press the Number buttons to enter the disc time at which you want to start playback.

**Audio:** Press the Arrow ▲▼ buttons to choose one of the available settings, then press the OK button.

**Subtitle:** Press the Arrow ▲▼ buttons to choose one of the available settings, then press the OK button.

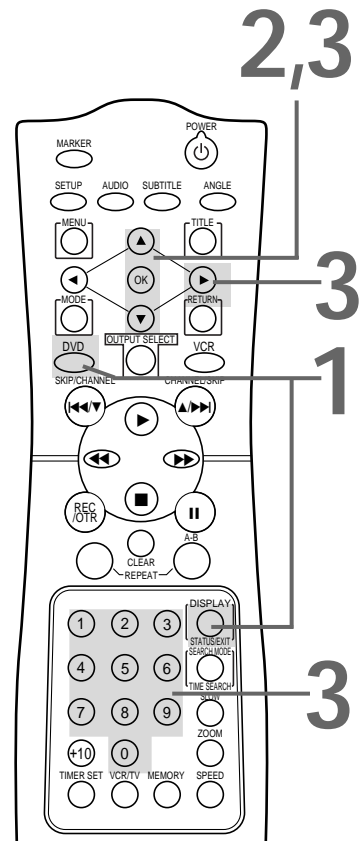
**Angle:** Press the OK button repeatedly to choose one of the available angles.

**Marker:** Press the Arrow ▲▼ buttons to select Marker 1, Marker 2, Marker 3, Marker 4, or Marker 5, then press the OK button. Then, press the RETURN button to return to the Display Screen. *Marker details are on page 71.*

**SRS TruSurround:** Press the OK button repeatedly to select On or Off.

### 4

Press the DISPLAY/STATUS/EXIT button to remove the Display Screen.



This unit employs TruSurround system

**TruSurround**  
by SRS (S)

of SRS Labs, Inc. as virtual technology.

TruSurround and the (S) symbol are trademarks of SRS Labs, Inc.

TruSurround technology is incorporated under license from SRS Labs, Inc.

### Helpful Hints

- If you do not want to change the setting at step 3, press the RETURN button.
- If there are no optional settings for the feature, nothing will happen when you press the OK button to select an item (Angle, Audio, etc.).
- Some DVDs may not allow you to change features in the display screen.

## 70 Display Screen (Audio CD)

### AUDIO CD

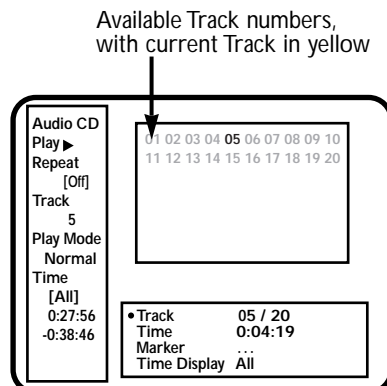
You can check the information about the current Disc by pressing the DISPLAY/STATUS/EXIT button on the remote control. You can select or change some Disc features using the Display screen.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

# 1

Press the DVD button, then press the DISPLAY/STATUS/EXIT button repeatedly during playback to access or remove the Display Screen.

- Current type of Disc
- Playback status
- Repeat status
- Current Track number
- Play Mode: Normal, Random, or Program
- Time [Track] Elapsed playing time of the current Track and Remaining playing time of the current Track
- Time [All] Elapsed playing time of the current Disc or Program and Remaining playing time of the current Disc or Program



- Current Track/Total Tracks on current Disc
- Total playing time of current Track
- Marker
- Time Display

# 2

To change a setting, press the Arrow ▲▼ buttons to select an item, then press the OK button.

# 3

**Track:** Press the Number buttons of the Track you want to play. Playback will begin at the track you selected.

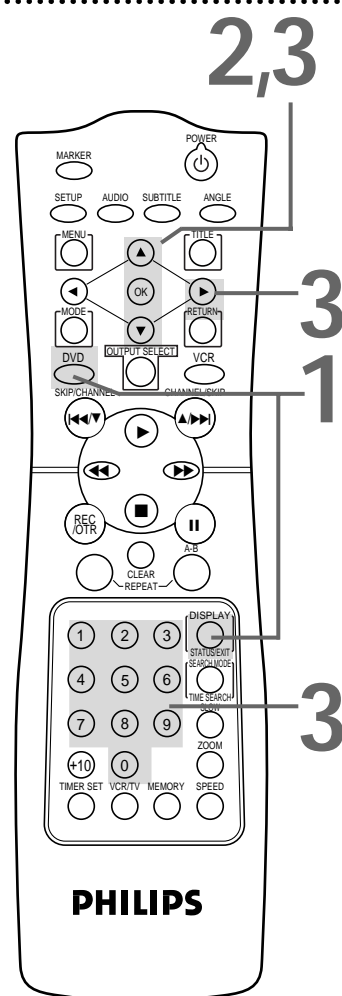
**Time:** Press the Number buttons to enter a time within the current Track at which you want playback to begin. For example, if the current Track is three minutes long and you want to begin play one minute and 30 seconds into the song, press 0,0,1,3,0.

**Marker:** Press the Arrow ▲▼ buttons to select Marker 1, Marker 2, Marker 3, Marker 4, or Marker 5, then press the OK button. Then, press the RETURN button to return to the Display Screen. *Marker details are on page 71.*

**Time Display:** Press the OK button repeatedly to choose All or Track. This determines whether the times shown in the left box of the Display Screen are for the current Track [Track] or the entire Disc [All].

# 4

When you are finished, press the DISPLAY/STATUS/EXIT button to remove the Display Screen.



### Helpful Hints

- If you select a Track or Time that is not available, playback will continue at its current position.
- During programmed playback, you can not select a Track that is not part of the Program.

## Marker Setup Screen 71

DVD

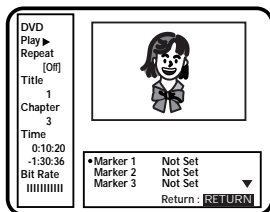
AUDIO CD

Use Markers to remember your favorite places on a disc. To set the Markers, follow these steps.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

1

During playback, press the DVD button, then press the MARKER button. The Display Screen will appear. (Details are on pages 69-70.) The Markers will appear at the bottom of the screen.



2

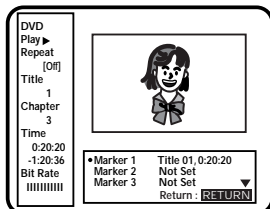
Press the Arrow  $\blacktriangle$   $\blacktriangledown$  buttons to select Marker 1, Marker 2, Marker 3, Marker 4, or Marker 5. Make sure the Marker you select is "Not Set."

3

Play the Disc to the point at which you want to set the Marker.

4

When the Disc reaches the point that you want to remember, press the OK button. The Disc time at the specified point will appear beside the Marker you selected.

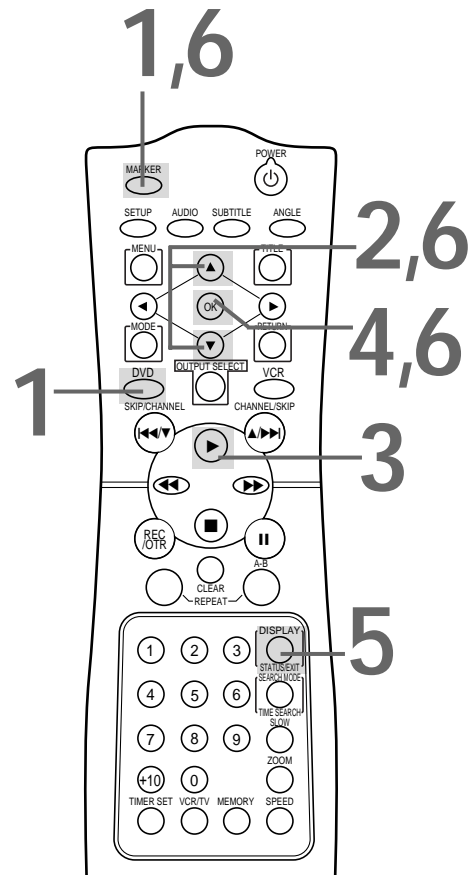


5

Press the DISPLAY/STATUS/EXIT button to remove the Display Screen.

6

To later return to the point at which you set the Marker, press the MARKER button during playback. Press the Arrow  $\blacktriangle$   $\blacktriangledown$  buttons to select the Marker you want, then press the OK button. Playback will resume at the point you set.



### Helpful Hints

- Opening the disc tray or turning off the DVD/VCR will erase all the Markers.
- To erase a single Marker, press the MARKER button, then press the Arrow  $\blacktriangle$   $\blacktriangledown$  buttons to select your desired Marker. Press the CLEAR button. "Not Set" will appear beside the Marker you cleared. Press the DISPLAY/STATUS/EXIT button to remove the Display Screen.
- To erase all the Markers, press the MARKER button, then press the Arrow  $\blacktriangle$   $\blacktriangledown$  buttons to select "Clear All Markers." Press the OK button. "Clear All Markers" will appear in the top right corner of the TV screen. (If no Markers were set, nothing will happen.) Press the DISPLAY/STATUS/EXIT button to remove the Display Screen.

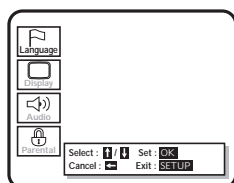
## 72 Audio Settings

Choose the appropriate Audio Settings for your equipment. These settings only affect the playback of the DVD Player of the DVD/VCR.

- Before you begin, place the DVD/VCR in DVD mode. Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

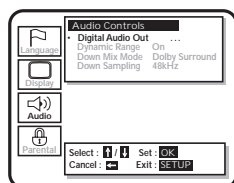
# 1

While playback is stopped, press the DVD button, then press the SETUP button. The setup screen will appear.



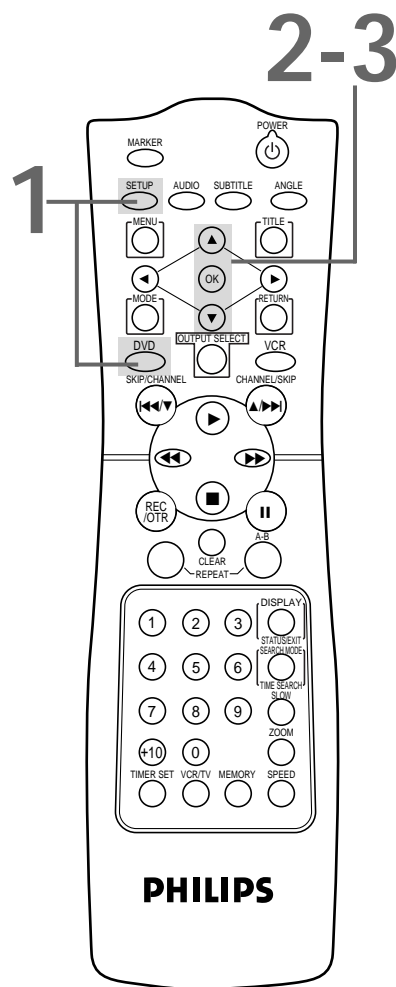
# 2

Press the Arrow ▲▼ buttons to select Audio. Then, press the OK button.



# 3

Press the Arrow ▲▼ buttons to select an item: Digital Audio Out, Dynamic Range, Down Mix Mode or Down Sampling.



### Helpful Hints

- To enjoy Dolby Digital Surround or DTS Surround sound, you must connect the DVD/VCR to a Dolby Digital or DTS decoder. Details are on page 14.
- MPEG sound is not available if the DVD/VCR is connected to audio equipment that is not MPEG sound compatible.

## Audio Settings (cont'd) 73

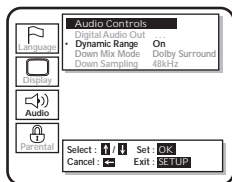
### 4

If you selected **Dynamic Range**, **Down Mix Mode**, or **Down Sampling**, press the **OK** button repeatedly to adjust the setting of these items. When you are finished, go to step 6.

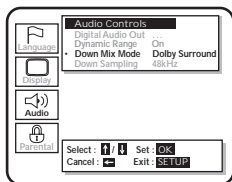
If you selected **Digital Audio Out**, press the **OK** button, then go to step 5.

- **Dynamic Range:** Press the **OK** button repeatedly to turn Dynamic Range On or Off. This compresses the range of sound volume by suppressing loud sound and raising the volume of low sound. However, Dolby Digital 5.1 Channel sound is compressed automatically, even if "Dynamic Range" is "Off."
- **Down Mix Mode:** Press the **OK** button repeatedly to select Stereo or Dolby Surround. Choose Dolby Surround if the DVD/VCR is connected to audio equipment that is Dolby Surround (Pro Logic) compatible. Choose Stereo if the DVD/VCR is connected to other audio equipment.
- **Down Sampling:** Press the **OK** button repeatedly to select 48 kHz or 96 kHz. Select 96 kHz if the Disc was recorded in PCM 96 kHz. Otherwise, select 48 kHz.

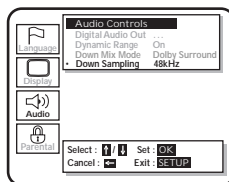
Dynamic Range



Down Mix Mode



Down Sampling

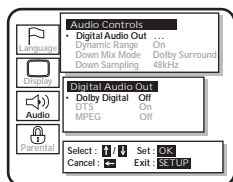


### 5

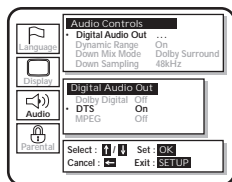
When you select **Digital Audio Out** at steps 3-4, the Dolby Digital, DTS, and MPEG settings will be at the bottom of the screen.

To change the **Dolby Digital**, **DTS**, or **MPEG** settings, press the **Arrow** **▲▼** buttons to select the desired item, then press the **OK** button repeatedly to set the item to **On** or **Off**.

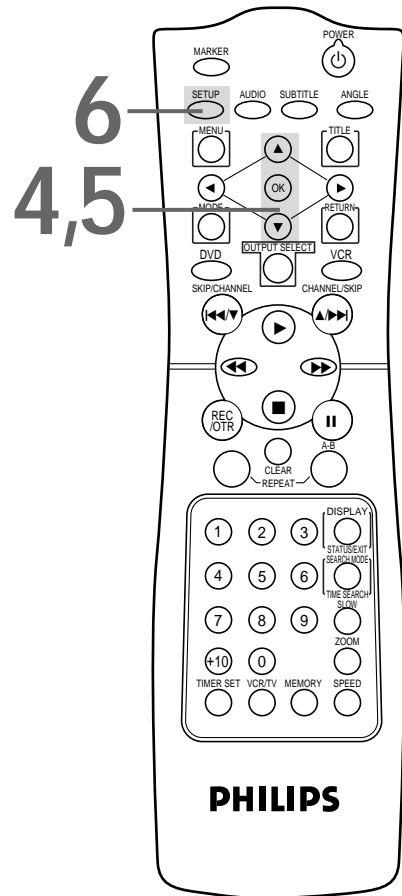
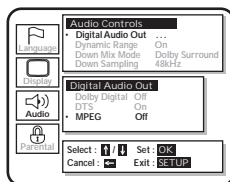
Dolby Digital



DTS



MPEG



### 6

Press the **SETUP** button to clear the screen.



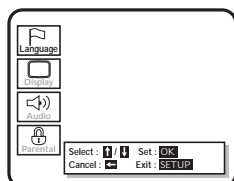
## 74 Display Settings

You can change certain aspects of the DVD Player's Display Screens, on-screen messages, and the display panel on the front of the DVD/VCR. You also can change the Aspect Ratio. To change such settings, follow these steps.

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

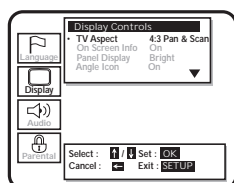
# 1

When playback is stopped, press the DVD button, then press the SETUP button. The setup screen will appear.



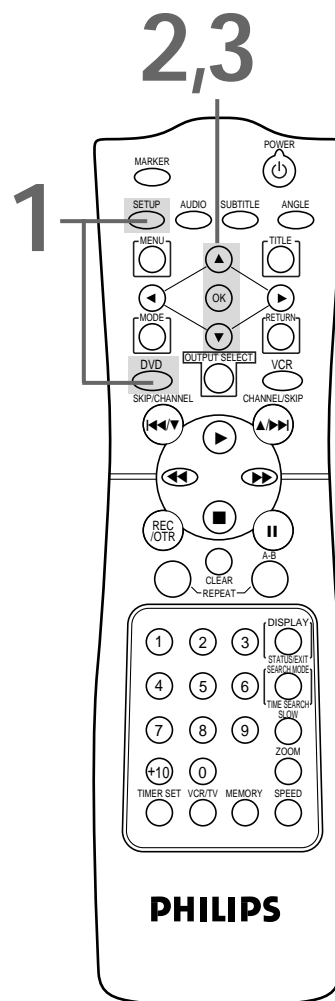
# 2

Press the Arrow ▲▼ buttons to select Display. Then, press the OK button.



# 3

Press the Arrow ▲▼ buttons to select an item: TV Aspect, On Screen Info, Panel Display, Angle Icon, Background Color, or Auto Power Off.



### Helpful Hint

- Selecting a different TV Aspect setting will only be effective if it is available on the Disc.

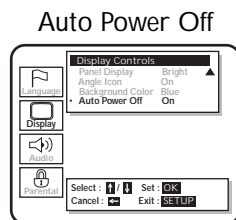
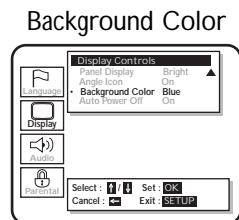
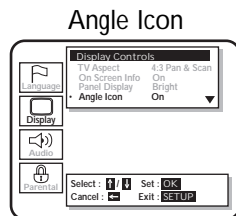
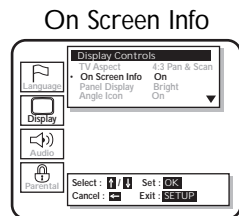
## Display Settings (cont'd) 75

# 4

If you selected On Screen Info, Angle Icon, Background Color, or Auto Power Off, press the OK button repeatedly to change the settings of each item.

If you selected TV Aspect or Panel Display, go to step 5.

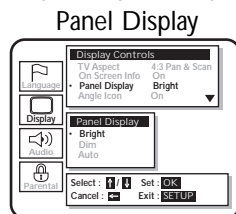
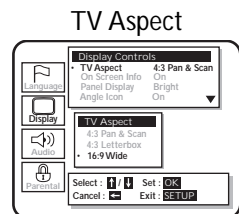
- Set On Screen Info to On if you want to see messages on the TV screen. For example, Play ► will appear in the top right corner of the screen when you press the Play ► button.
- Set Angle Icon to On if you want to see the Angle symbol on the screen. *Details are on page 66.*
- Set Background Color to Blue or Gray. Choose the color you prefer for the background when the menus or messages are on the TV screen.
- Set Auto Power Off to On if you want the DVD/VCR to automatically switch to VCR mode if the DVD Player is inactive for 35 minutes.



# 5

Press the OK button to select TV Aspect or Panel Display. Press the Arrow ▲▼ buttons to select a setting, then press the OK button.

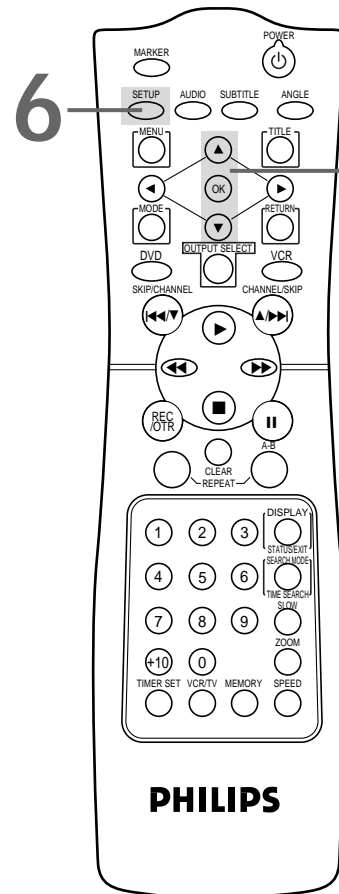
- Select 4:3 Pan & Scan to see the picture in full-height, with one or both sides trimmed.
- Select 4:3 Letterbox for wide-screen, full-width pictures, with black bars at the top and bottom of the picture.
- Select 16:9 Wide if you have connected a wide-screen TV to the DVD/VCR.
- Select Bright, Dim, or Auto to adjust the brightness of the display panel. Auto dims the display only during disc playback.



# 6

Press the SETUP button to clear the screen.

# 4-5



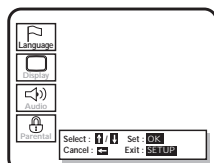
## 76 Language Settings

- Before you begin, place the DVD/VCR in DVD mode.  
Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

DVD

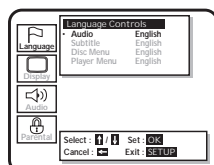
1

While playback is stopped, press the DVD button, then press the SETUP button. The setup screen appears.



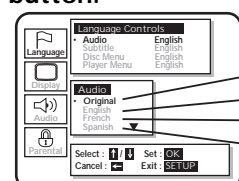
2

Press the Arrow ▲▼ buttons to select LANGUAGE. Then, press the OK button.



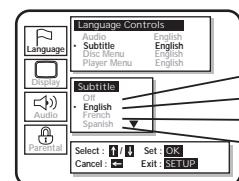
3

Press the Arrow ▲▼ buttons to select an item: Audio, Subtitle, Disc Menu, or Player Menu. Then, press the OK button.



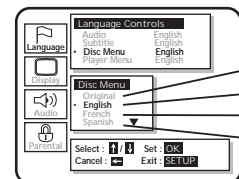
### Audio

- The voice is in the original language of the disc.
- Voice is in English.
- Voice is in French.
- Voice is in Spanish.



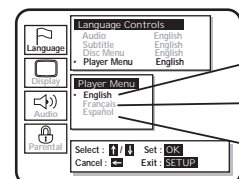
### Subtitle

- Subtitles are not shown.
- Subtitles are in English.
- Subtitles are in French.
- Subtitles are in Spanish.



### Disc Menu

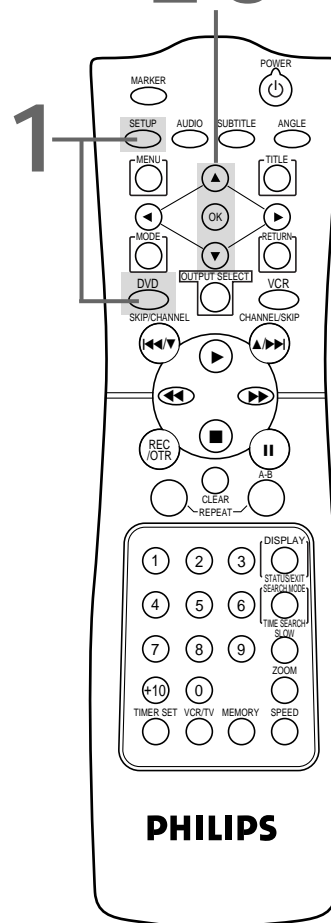
- The disc menu is in the original language of the disc.
- The disc menu appears in English.
- The disc menu appears in French.
- The disc menu appears in Spanish.



### Player Menu

- The displays and DVD Player menus appear in English.
- The displays and DVD Player menus appear in French.
- The displays and DVD Player menus appear in Spanish.

2-3



### Helpful Hint

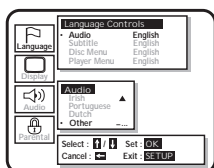
- The Player Menu setting affects only the language of the DVD Player Setup menu. It does not affect the VCR menu of the DVD/VCR.

## Language Settings (cont'd) 77

### 4

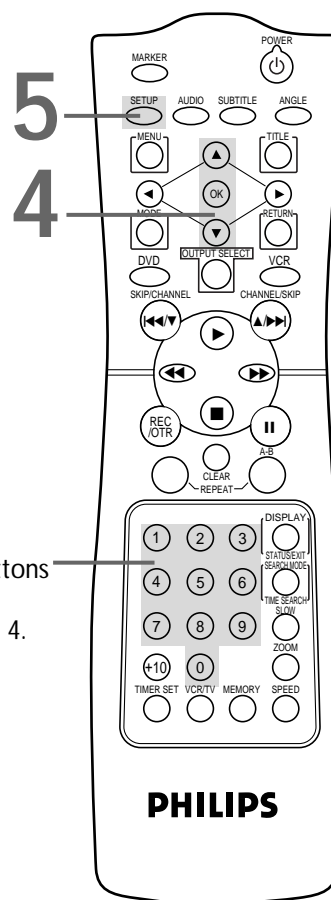
Press the Arrow  $\blacktriangle$  $\blacktriangledown$  buttons to select a setting, then press the OK button.

- If you select Other at the Audio, Subtitle, or Disc Menu screen, press four Number buttons to enter the country code you desire, then press the RETURN button. Refer to the list on page 78. You can only select other languages if the language is available on the Disc.



### 5

Press the SETUP button to clear the screen.



Use these buttons if you select Other at step 4.

### Helpful Hints

- If the automatic settings for Audio and Subtitle are the same language, the subtitles will not be shown.
- Optional language settings for Audio, Subtitle, and Disc Menu are not available with some discs. Use the AUDIO and SUBTITLE buttons on the remote control instead to select different languages for the audio and subtitles. Details are on pages 64-65.

## 78 Language Settings (cont'd)

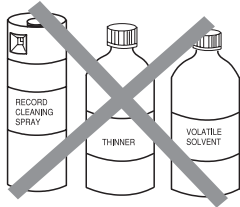
<u>Language</u>	<u>Country Code</u>	<u>Language</u>	<u>Country Code</u>	<u>Language</u>	<u>Country Code</u>
<b>A-B</b>		<b>I-K</b>		<b>S</b>	
Abkhazian	4748	Icelandic	5565	Samoan	6559
Afar	4747	Indonesian	5560	Sangho	6553
Afrikaans	4752	Interlingua	5547	Sanskrit	6457
Albanian	6563	Interlingue	5551	Serbian	6564
Amharic	4759	Inupiak	5557	Serbo-Croatian	6554
Arabic	4764	Irish	5347	Sesotho	6566
Armenian	5471	Italian	5566	Setswana	6660
Assamese	4765	Japanese	5647	Shona	6560
Aymara	4771	Javanese	5669	Sindhi	6550
Azerbaijani	4772	Kannada	5760	Singhalese	6555
Bangla	4860	Kashmiri	5765	Siswat	6565
Bashkir	4847	Kazakh	5757	Slovak	6557
Basque	5167	Kinyarwanda	6469	Slovenian	6558
Bengali	4860	Kirghiz	5771	Somali	6561
Bhutani	5072	Kirundi	6460	Spanish	5165
Bihari	4854	Korean	5761	Sundanese	6567
Bislama	4855	Kurdish	5767	Swahili	6569
Breton	4864	<b>L-N</b>		Swedish	6568
Bulgarian	4853	Laothian	5861	<b>T</b>	
Burmese	5971	Latin	5847	Tagalog	6658
Byelorussian	4851	Latvian	5868	Tajik	6653
<b>C-E</b>		Lettish	5868	Tamil	6647
Cambodian	5759	Lingala	5860	Tatar	6666
Catalan	4947	Lithuanian	5866	Telugu	6652
Chinese	7254	Macedonian	5957	Thai	6654
Corsican	4961	Malagasy	5953	Tibetan	4861
Croatian	5464	Malay	5965	Tigrinya	6655
Czech	4965	Malayalam	5958	Tonga	6661
Danish	5047	Maltese	5966	Tsonga	6665
Dutch	6058	Maori	5955	Turkish	6664
English	5160	Marathi	5964	Turkmen	6657
Esperanto	5161	Moldavian	5961	Twi	6669
Estonian	5166	Mongolian	5960	<b>U-Z</b>	
<b>F-H</b>		Nauru	6047	Ukrainian	6757
Faroese	5261	Nepali	6051	Urdu	6764
Fiji	5256	Norwegian	6061	Uzbek	6772
Finnish	5255	<b>O-R</b>		Vietnamese	6855
French	5264	Occitan	6149	Volapuk	6961
Frisian	5271	Oriya	6164	Welsh	4971
Gaelic (Scots)	5350	Oromo (Afan)	6159	Wolof	6961
Galician	5358	Panjabi	6247	Xhosa	7054
Georgian	5747	Pashto	6265	Yiddish	5655
German	5051	Persian	5247	Yoruba	7161
Greek	5158	Polish	6258	Zulu	7267
Greenlandic	5758	Portugese	6266		
Guarani	5360	Pushto	6265		
Gujarati	5367	Quechua	6367		
Hausa	5447	Rhaeto-Romance	6459		
Hebrew	5569	Romanian	6461		
Hindi	5455	Russian	6467		
Hungarian	5467				

## Care and Maintenance / Specifications 79

### Care and Maintenance

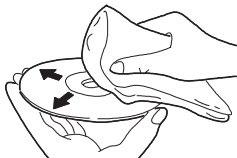
#### Cleaning the DVD/VCR

- Wipe the front panel and other exterior surfaces of the DVD/VCR with a soft, slightly damp cloth.
- Never use a solvent, thinner, benzene or alcohol to clean the DVD/VCR. Do not spray insecticide liquid near the DVD/VCR. Such chemicals may discolor the surface or damage the DVD/VCR.

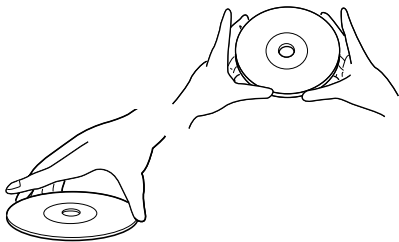


#### Cleaning a Disc

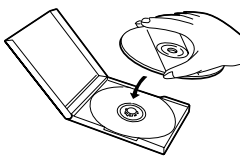
- Use a soft, dry cloth to wipe the Disc.
- Wipe the Disc in a straight line from the center to the edge. Never wipe the Disc in a circular motion.
- Do not use detergent or abrasive cleaning agents.



- Handle the Discs so that fingerprints and dust do not adhere to the surfaces of the Discs.
- Always store the Disc in its protective case when it is not in use.



#### Checking the Laser



- If the DVD/VCR does not operate as described in this owner's manual, the laser may be dirty. Consult an Authorized Service Center for inspection and cleaning of the laser.

### Specifications

#### Video Heads

Four heads - Hi-Fi

#### Antenna

VHF/UHF - 75 ohm external antenna terminal

#### VHF Output Signal

Channel 03 or 04 (switchable)  
75 ohms unbalanced

#### Tuner Broadcast Channels

VHF 2-13, UHF 14-69

#### Cable TV Channels

1-125

#### Product Type

Digital Video Disc Player & Video Cassette Recorder

#### Playable Discs

DVD-Video

Audio CD

#### Color System

NTSC

#### Frequency Response

DVD (linear sound):

20 Hz to 22 kHz (sample rate: 48 kHz)

20 Hz to 44 kHz (sample rate: 96 kHz)

Audio CD: 20 Hz to 20 kHz

#### Signal-to-Noise Ratio (S/N Ratio)

Audio CD:

110 dB EIAJ (Electronic Industries Association of Japan)

#### Dynamic Range

DVD (linear sound): 95 dB

Audio CD: 94 dB (EIAJ)

#### Total Distortion Factor

Audio CD: 0.007% (EIAJ)

#### Wow and Flutter

Below the measurement limitation

(±0.001% W PEAK) (EIAJ)

#### Power Requirement

120V AC +/- 10%, 60 Hz +/- 0.5%

#### Power Consumption

Power on: 30 W

Standby (power off): 7 W

#### Operating Temperature

41°F (5°C) to 104°F (40°C)

#### Relative Humidity

30% to 80%

#### Dimensions

17-1/8" (W) x 3-7/8" (H) x 11-9/16" (D)  
(435mm x 99mm x 293mm)

#### Weight

11.0 lbs. (5.0 kg.)

*NOTE: Designs and specifications are subject to change without notice.*

## 80 Helpful Hints

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If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.

If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is displayed on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will be happy to assist you.

### **The DVD/VCR has no power.**

- Make sure the power cord is connected completely to an AC (alternating current) outlet.
- Press the POWER button to turn on the DVD/VCR. "P-ON" will appear briefly on the display panel as the power is turning on.

### **The remote control will not operate the DVD/VCR.**

- Aim the remote control directly at the DVD/VCR's remote sensor. *Details are on page 26.*
- Remove all obstacles between the remote control and the DVD/VCR.
- Inspect and/or replace the batteries in the remote control. *Details are on page 15.*
- Use the remote control within 23 feet of the DVD/VCR.
- Press the DVD button, then try the other DVD feature buttons. Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR. This means the DVD/VCR is in DVD mode.
- Press the VCR button, then try the other VCR feature buttons. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR. This means the DVD/VCR is in VCR mode.
- Make sure the VCR/TV light appears on the front of the DVD/VCR. If it does not, press the VCR/TV button once.

### **There is no picture in DVD mode.**

- Make sure the video cable is connected correctly. You may connect either the yellow video cable (supplied), an optional S-Video cable, or optional component video cables. *Details are on pages 12-14.* If you only used the supplied black RF coaxial cable, *details are on pages 8-11.*
- Make sure the TV is set to the correct Video In channel (usually the AUX IN, A/V IN, Auxiliary In, Component Video In or S-Video In channel). Check your TV owner's manual for details.
- Insert a Disc that is playable on this DVD/VCR. *Details are on page six.*
- Press the VCR/TV button to choose VCR position. The VCR/TV light will appear on the front of the DVD/VCR.
- Make sure the DVD/VCR is in DVD mode. Press the OUTPUT SELECT button so that the red DVD OUTPUT light appears on the front of the DVD/VCR.

### **Disc cannot play.**

- Insert a playable Disc. *Details are on page six.*
- Place the Disc correctly in the recesses in the Disc tray. If the Disc is one-sided, place the Disc in the tray with the label facing up. If the Disc is two-sided, make sure the side you want to play is facing up.
- Clean the Disc.
- Cancel the Parental Controls, enter the password, or change the control level. *Details are on pages 67-68.*
- Make sure the Disc is labelled for use in Region 1 or ALL regions and is NTSC compatible. *Details are on page six.*



## Helpful Hints (cont'd) 81

### There is no sound.

- Connect the audio cables firmly. Make sure the cables are connected to the AUDIO IN jacks on the TV or audio equipment. *Details are on pages 12-14.*
- Check the audio settings of the DVD/VCR. *Details are on pages 64 and 72-73.*
- Turn on the power of the audio equipment and make sure it is set to the correct channel, usually Auxiliary IN. Refer to the owner's manual of the audio equipment for details.
- Check the audio settings of the Disc. For example, you may have selected "soundtrack" playback on a DVD. Only the music of the movie will play, not the characters' dialog; music might not be recorded throughout the entire DVD. *Details are on page 64.*
- Make sure the TV is set to the correct Audio In channel (usually the AUX IN, Auxiliary In, A/V IN, Audio In, or External In channel). See your TV owner's manual for details.

### The picture is distorted.

- Connect the DVD/VCR directly to the TV. *Details are on pages 8-14.*
- There are some cases where the picture may be distorted slightly; this is not a malfunction of the DVD/VCR.
- Make sure the disc is compatible with the DVD/VCR. *Details are on page six.*

### You can not change the camera angle.

- The DVD might not contain segments recorded from different camera angles. See if multiple angles are available. *Details are on page 66.*

### You can not change the audio or subtitle language.

- The DVD does not contain audio or subtitles in the desired language. Not all DVDs contain audio or subtitles in multiple languages. See if other languages are available. *Details are on pages 64-65.*

### An "X" appears in the top right corner of the TV screen, prohibiting an operation.

- The DVD/VCR prohibits the current operation or it is not available on the Disc. *Details are on page five.*

### The DVD/VCR switches itself from DVD mode to VCR mode after 35 minutes.

- The DVD/VCR switches itself from DVD mode to VCR mode if disc playback stops for more than 35 minutes and you press no buttons on the remote control or the DVD/VCR. *Details are on pages 74-75.*

### A screen saver appears on the TV screen.

- The DVD logo will appear on the TV screen if you stop Disc playback for more than five minutes (and you do not press any buttons on the remote control or the DVD/VCR). The DVD logo prevents damage to your TV's picture tube. A prolonged still image, including TV station identification logos or video games, may damage the picture tube.

### You want to use the DVD Player during a VCR timer recording or while the TIMER SET light appears or flashes.

- You can use the DVD Player while the TIMER SET light appears or flashes, or during a timer recording. Press the POWER button to turn on the DVD/VCR. Press the VCR/TV button to choose VCR position. The VCR/TV light will appear. Press the OUTPUT SELECT button to choose DVD mode, then continue with other DVD features as described in this manual. Remember to press the DVD button on the remote control before continuing to use the remote control to operate the DVD Player.

## 82 Helpful Hints (cont'd)

### Power Failure

- VCR timer recordings, the clock setting, the language selection, and channel setup may be lost if the power fails for more than one minute. Follow the steps on pages 16 and 20. Then, see pages 36-38 to reprogram your timer recordings.

### The VCR will not record a TV program.

- Put the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.
- Check the connections between the DVD/VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if applicable). *Details are on pages 8-14.*
- Make sure the tape has a record tab. *Details are on page seven.*
- Make sure the DVD/VCR is in VCR position. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR. *Details are on page 31.*
- Check the CH3/CH4 switch. *Details are on pages 8-11.* Or, if you connected the DVD/VCR to the TV using audio and video cables, select the correct audio and video in channel at the TV. *Details are on pages 12-14.*

### The DVD/VCR will not perform a timer recording.

- Make sure the recording start and stop times are set correctly. *Details are on pages 36-39.*
- Make sure a tape is in the DVD/VCR and the tape has a record tab. *Details are on page seven.* If, after programming a timer recording, you press the TIMER SET button without putting a tape in the DVD/VCR, the TIMER SET light will blink.
- If the record tab on a tape is missing, the DVD/VCR will eject the tape. The TIMER SET light will blink.
- Press the TIMER SET button to put the DVD/VCR in standby mode for the timer recording. The TIMER SET light should appear on the front of the DVD/VCR.
- Make sure the clock is set. *Details are on page 20.*
- The DVD/VCR may not perform or continue a timer recording if the power fails for more than one minute.
- If you have a Cable Box/Direct Broadcast System, timer recordings are programmed differently. *Details are on page 10.*
- Finish programming a timer recording at least five minutes before the recording is set to begin.
- 12 p.m. is noon; 12 a.m. is midnight.

### There is no picture or the picture is noisy or contains streaks during video cassette tape playback.

- Put the DVD/VCR in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears on the front of the DVD/VCR.
- Make sure the TV is on the same channel as the DVD/VCR's CH3/CH4 switch. Or, if you connected the DVD/VCR to the TV using audio and video cables, select the correct audio and video in channel at the TV. *Details are on pages 8-14.*
- Make sure the DVD/VCR is in VCR position. Press the VCR/TV button so that the VCR/TV light appears on the front of the DVD/VCR.
- Make sure channel 03 or 04 is properly adjusted at the TV.
- Adjust the tracking. *Details are on page 45.*
- TVs placed too close to the DVD/VCR can cause interference during tape playback. Move the DVD/VCR away from the TV.

### The Number buttons won't work for TV channels above 69.

- Enter channel numbers as a two-digit number. If you want to select channels 100 and above, enter channel numbers as a three-digit number. *Details are on page 30.*

### TV programs cannot be watched normally.

- Put the DVD/VCR in VCR mode, then put it in TV position. Press the OUTPUT SELECT button so that the green VCR OUTPUT light appears. Then, press the VCR/TV button so that the VCR/TV light disappears from the front of the DVD/VCR.
- Check the connections between the DVD/VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if applicable). *Details are on pages 8-14.*

### Poor reception

- You may need to tune your TV again.

### The motor (cylinder) rotates even when tape playback is stopped.

- To enable the quick play mechanism, the cylinder will rotate for about five minutes. This is normal. The quick play mechanism allows the tape mechanism to switch from Stop to Play in one second.

## Helpful Hints (cont'd) 83

### **You can not insert a tape.**

- Insert the tape, window side up, with the record tab facing you.
- Make sure a tape isn't already in the DVD/VCR by pressing the STOP/EJECT button on the DVD/VCR.
- Gently push on the center of the tape when putting it in the DVD/VCR. Never force the tape into the DVD/VCR.
- If a timer recording is programmed and the DVD/VCR is in standby mode for the timer recording, you can not insert a tape without a record tab.

### **You can not remove the tape.**

- The DVD/VCR must be in VCR mode. Press the OUTPUT SELECT button so that the green VCR OUTPUT light is on the front of the DVD/VCR.
- Make sure the power plug is completely connected to a power outlet.
- You have set a timer recording. Press the TIMER SET button to temporarily cancel standby mode. Then, press the STOP/EJECT button on the DVD/VCR to eject the tape. Be sure to insert a tape and press the TIMER SET button to put the DVD/VCR in standby mode for the timer recording.
- Unplug the DVD/VCR power cord for five minutes. Then, plug in the power cord again, then press the POWER button on the DVD/VCR. If the tape does not eject, press the STOP/EJECT button on the DVD/VCR three to five times. If the tape still does not eject, you may need to have an authorized servicer remove the tape.

### **DVD/VCR ejects the tape when you press the REC(ord)/OTR button or press the TIMER SET button for a timer recording.**

- Make sure the tape has a record tab. *Details are on page seven.*

### **Direct Broadcast System Hookups**

- Watching one TV channel while recording another may not be possible if you have a DBS hookup. You may have to set your TV to channel 03 or 04, then make your channel selections at the DBS.
- With many DBS hookups, if you use accessory audio and video cables to connect your DVD/VCR to your TV, you will have to put your DVD/VCR in Line Input mode (channel 001 or 002).

### **Line Input mode**

- If you accidentally enter Line Input mode (AV FRONT or AV REAR will appear on your TV screen briefly), press the CHANNEL ▲/▼ buttons or use the Number buttons to select another channel.

### **Hi-Fi Stereo Sound**

- During playback, Hi-Fi audio may temporarily revert to normal audio when you adjust tracking. This is normal.
- When connecting the DVD/VCR to a stereo TV, you will only get stereo sound if you use audio cables to connect the DVD/VCR AUDIO OUT jacks on the DVD/VCR to the AUDIO IN jacks on your TV, and if the TV is in Line (Auxiliary) Input mode. See your TV owner's manual for details.
- When you connect the DVD/VCR AUDIO OUT jacks on the DVD/VCR to the AUDIO IN jacks on your TV, the stereo light on the TV might not glow. But, as long as the status display indicates you are receiving a stereo signal, you are receiving a stereo signal. This is normal. *Details are on page 46.*
- Only tapes recorded in Hi-Fi audio will play back in Hi-Fi audio. Tapes recorded in normal audio will play back in monaural audio.

### **Cleaning the Video Heads**

- Your DVD/VCR automatically cleans the video heads of the VCR each time you insert a tape. However, the heads may become dirty. If so, use a commercially-available head cleaner or have an authorized servicer clean the video heads. Eventually, the heads may need to be replaced.

### **The playback picture is too dim, too bright, or fluctuates in brightness.**

- Some programs may be broadcast with copyright protection technology in order to protect the rights of copyright owners. This technology is used on programs that are recorded on video tapes or Digital Video Discs (DVDs), as well as some programs broadcast by antenna/cable/satellite television channels. Programs broadcast with copyright protection technology may not record clearly. Likewise, if you play a tape that is a recording of a copyright protected program, the picture may not be clear. Tapes of copyright protected programs may have a picture that is dark or dim, or the brightness of the picture may fluctuate. Therefore, you should avoid recording or playing copies of copyright protected programs. This DVD/VCR incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

## 84 Limited Warranty

### **Digital Video Disc Player / Video Cassette Recorder Combination** **90 days Free Exchange / 91 days–One Year Reduced-Cost Exchange**

#### **WHO IS COVERED?**

You must have proof of the date of purchase to exchange your product. A sales receipt or other document showing the date that you purchased the product is considered such proof.

#### **WHAT IS COVERED?**

Warranty coverage begins the day you buy your product. For 90 days thereafter, you may exchange the defective product for a new or renewed product at the store from which it was purchased or through Philips. Either exchange is made at no cost to you.

From 91 days to one year from the date of purchase, you will pay a preset exchange fee to obtain a new or renewed product. Follow the exchange procedures on the next page. This exchange opportunity ends one year after the date of purchase. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires.

#### **WHAT IS EXCLUDED?**

Your warranty does not cover:

- shipping charges to return defective product.
- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of improper installation, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics.
- reception problems caused by signal conditions or cable or antenna systems outside the product.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- damage caused by the use of non-VHS tapes or tapes that have not been tested and labeled for use in two, four, six, and eight hour VHS recorders.
- a product that is used for commercial or institutional purposes (including but not limited to rental purposes).

#### **WHERE IS EXCHANGE AVAILABLE?**

Warranty exchange is available in all countries where the product is officially distributed by Philips Consumer Electronics. In countries where Philips Consumer Electronics does not distribute the product, the local Philips service organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available.

#### **MAKE SURE YOU KEEP...**

Please keep your sales receipt or other document showing proof of date of purchase. Attach it to the owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

#### **BEFORE EXCHANGING THE PRODUCT...**

Please check your owner's manual before exchanging the product. Adjustments of the controls discussed there may save you time and money.

#### **LIMITATION OF LIABILITY AND REMEDY...**

Philips is not liable under any circumstances for any direct, indirect, special, incidental, or consequential damages, howsoever incurred, even if notified of the possibility of such damages.

To the extent permitted by local law, the remedies provided in this warranty statement are your sole and exclusive remedy.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state/province to state/province.

#### **TO EXCHANGE YOUR PRODUCT IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...**

Follow the instructions stated previously in the "What is Covered" section, or refer to the exchange instructions on the next page.

In the U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including the implied warranties of non-infringement, merchantability and fitness for a particular purpose, are specifically disclaimed, and to the extent inconsistent with law of the locality of the user, limited in duration to the duration of this express warranty. Because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.

#### **TO EXCHANGE A PRODUCT IN CANADA...**

Please contact Philips at:

1-800-661-6162 (French Speaking)

1-800-363-7278 (English Speaking)

In Canada, this warranty is given in lieu of all other warranties. There are no other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose.

#### **TO GET OUT-OF-WARRANTY EXCHANGE...**

In the U.S.A., Puerto Rico, or U.S. Virgin Islands, contact Philips Service Solutions Group at 1-800-531-0039 to obtain the cost of out-of-warranty exchange.

#### **REMEMBER...**

Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # \_\_\_\_\_

SERIAL # \_\_\_\_\_

## Limited Warranty (cont'd) 85

### EXCHANGE INSTRUCTIONS

If your product is defective, you may be able to exchange it at the store from which it was purchased. Most stores display a Return Policy. If not, ask the manager or sales associate how many days you have to exchange a product with them. After the store's return period has expired, or if the store does not have an exchange program, you may exchange the product with Philips if you have your original sales receipt.

**To exchange your product with Philips (per the warranty conditions stated previously), remember:**

- If you exchange the product within 90 days of the original purchase, there is no cost to you.
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, contact Philips Service Solutions Group (PSSG) at 1-800-531-0039 to determine the preset cost for exchange.
- After 12 months from the day of original purchase, contact PSSG at 1-800-531-0039 for information regarding out-of-warranty exchange.
- If you do not have your original sales receipt, or if you have any questions, call PSSG at 1-800-531-0039.

**To obtain a replacement product from Philips:**

1. Contact PSSG at 1-800-531-0039 to determine the cost for exchange.
2. Complete the Exchange Form below.
3. Pack the product and its accessories in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call 1-800-531-0039.
4. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment amount into an envelope. DO NOT SEND CASH. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
5. Seal the box with packing tape and return the product via United Parcel Service (UPS), insured and freight prepaid, to:

Philips Recovery Center  
Rojas 6  
12420 Mercantile Avenue  
El Paso, TX 79928

ATTENTION: DVD/VCR COMBINATION EXCHANGE

A replacement will be sent to you via UPS within 48 business hours of Philips' receipt of the product.

### EXCHANGE FORM

**Your Address (street address to which replacement should be delivered, no P.O. boxes allowed):**

Name:

Street Address:

Apt. #:

City:

State/Province:

Zip Code/Postal Code:

Phone (day):

Phone (night):

**Exchange Fee:** \_\_\_\_\_ **+ Sales Tax:** \_\_\_\_\_ **= Total:** \_\_\_\_\_

**Method of Payment:** (Check one. Please, no cash or CODs.)

\_\_\_\_\_ Check/Money order

Check/Money order No. \_\_\_\_\_

\_\_\_\_\_ American Express  
\_\_\_\_\_ Visa  
\_\_\_\_\_ Novus/Discover  
\_\_\_\_\_ Mastercard

Account number

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Expiration date

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Signature:** \_\_\_\_\_

Detailed reason for return, use additional paper if necessary: \_\_\_\_\_

Model Number \_\_\_\_\_ Serial Number \_\_\_\_\_

**Remember, the return box should include the following:**

- The product,
- Accessories supplied with the product, and
- Completed Exchange Form and sales receipt, • Payment, if applicable.

## 86 Glossary

**AUDIO IN/OUT Jacks:** jacks on the front and back of the DVD/VCR that receive audio from another source (IN) or send audio to another system (OUT).

**Automatic Channel Setup:** process in which the DVD/VCR memorizes all available TV channels. Then, when you press the CHANNEL ▲/▼ buttons, you only scan through channels you receive.

**Bands:** settings that allow you to tune channels.

- **Antenna** – VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).
- **Cable** – all standard channels can be received without a Cable Box.

**Cable Box/DBS Output Channel:** 03 or 04.

**CD:** Compact Disc (audio)

**COAXIAL DIGITAL AUDIO OUT jack:** Sends digital audio to an audio receiver, allowing you to adjust the volume at the receiver. This connection provides the 5.1 channel surround sound as heard in movie theaters.

**COMPONENT VIDEO OUT Jacks:** jacks on the back of the DVD/VCR that send high-quality video to a TV with Component Video In jacks. This connection provides the best picture quality. If you use this video connection, you will not need the supplied yellow video cable.

**Dolby Digital:** A surround sound system that provides 5.1 channel sound as used in movie theaters.

**DTS:** Digital Theater Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

**Dubbing:** copying a video cassette tape using another VCR.

**DVD:** Digital Video Disc.

**Frame:** a still picture.

**HQ:** high quality; a feature in the VCR circuitry which provides enhanced picture detail.

**Line Input:** The channel to which you set your DVD/VCR during video cassette tape dubbing. If you use the AUDIO and VIDEO In jacks on the front of the DVD/VCR, select channel 002 (AV FRONT). If you use the AUDIO and VIDEO IN jacks on the back of the DVD/VCR, select 001 (AV REAR). If you accidentally enter Line Input mode, press the CHANNEL ▲/▼ buttons or use the Number buttons to select another channel.

**OPTICAL DIGITAL AUDIO OUT Jack:** Converts electrical signals into optical signals before sending the audio to the audio receiver. Optical audio is not prone to external electrical influences and has less noise, which reduces adverse effects on external equipment. Keep the protective cap on the jack when the jack is not in use. This keeps dust out of the jack.

**OTR:** One-Touch Recording; a timed recording on the VCR that starts immediately and records for 30 minutes to eight hours.

**Remote Control:** the device that came with your DVD/VCR; allows you to operate your DVD/VCR from a distance.

**RF coaxial cable:** A black cable supplied with your DVD/VCR. Use it to connect your DVD/VCR to your TV (or Cable Box or DBS). The supplied cable is a snap-on type. However, you may use a screw-on type if you prefer.

**Special Effects:** forward and reverse searching; a still picture; slow motion playback.

**S-Video:** Produces a clearer picture by sending separate signals for the luminance and the color. If you connect an optional S-Video cable, you will not need to use the supplied yellow video cable.

**Tape Speeds:** how fast the video cassette tape travels during a recording or playback. The faster the tape speed, the better the picture quality will be. Slower tape speeds affect picture quality, but you can fit more recording time onto a tape.

- **SP** (standard play) – fastest tape speed (recording time for a T120 tape is approximately two hours); best picture quality.
- **LP** (long play) – average tape speed; playback only.
- **SLP** (super long play) – slowest tape speed (recording time for a T120 tape is approximately six hours).

**VCR:** video cassette recorder.

**VIDEO IN/OUT Jacks:** jacks on the front and back of the DVD/VCR that receive video from another source (IN) or send video to another system (OUT).

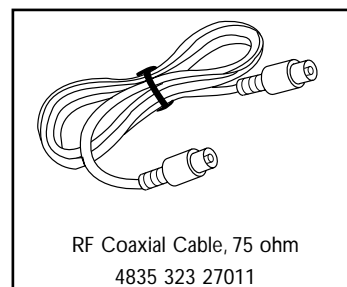
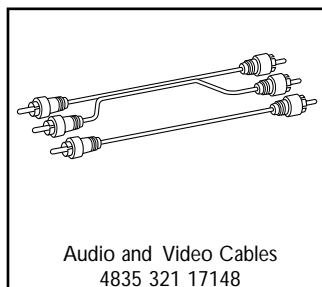
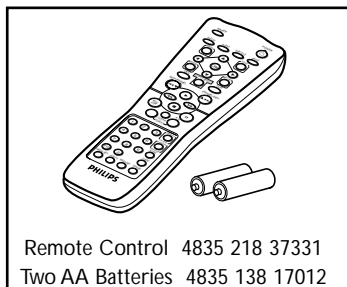
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## SUPPLIED ACCESSORIES

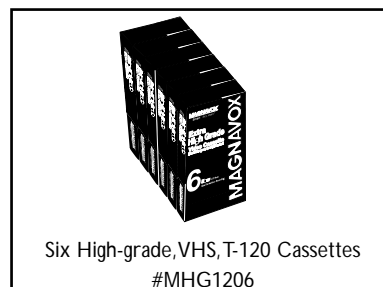
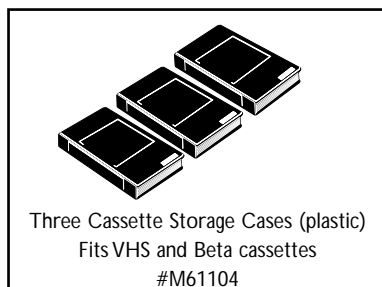
*The following items are supplied with your DVD/VCR; they are provided to help you use or set up your DVD/VCR.*



## OPTIONAL ACCESSORIES

*The following additional items are not provided with your DVD/VCR, but they are designed for use with your new DVD/VCR. To order these optional accessories, contact us at:*

**Philips Parts & Accessories Marketing Department**  
**401 East Old Andrew Johnson Highway**  
**P.O. Box 555**  
**Jefferson City, TN 37760**  
**1-800-851-8885.**



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